Samsung GALAXY Note® II

4G LTE SMARTPHONE

User Manual

Please read this manual before operating your phone, and keep it for future reference.

SAMSUNG

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Your phone features earSmart™, an intelligent voice processor that delivers a clear voice experience, allowing you to **hear and be heard**™ in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does It Work?

- The earSmart voice processor in your phone captures your voice and all the sounds around you.
- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise - from both ends of a call.
- It also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

Table of Contents

Section 1: Getting Started 6
- Setting Up Your Phone 6
- Charging a Battery 9
- Switching the Phone On or Off 11
- Locking and Unlocking the Touch Screen 11
- Creating a Samsung Account 11
- Creating a New Google Account 12
- Retrieving your Google Account Password . . . 12
- Setting Up Your Voice Mail 13

Section 2: Understanding Your Phone 14
- Features of Your Phone 14
- Front View of Your Phone 15
- Side Views of Your Phone 16
- Rear View of Your Phone 17
- S Pen 18
- Using Gestures 23
- Display Layout 25
- Menu Navigation 34
- Customizing Your Home Screen 38
- Notification Bar 44
- Memory Card 46

Section 3: Call Functions 48
- Displaying Your Phone Number 48
- Making a Call 48
- Making Emergency Calls 49
- Making a Call Using Speed Dial 50
- Making a Call from the Contacts List 51
- Answering a Call 51
- Dialing Options 52
- Recent Calls 52
- Call Duration 55
- Options During a Call 55
- Call Settings 59

Section 4: Entering Text 64
- Text Input Methods 64
- Entering Text Using the Samsung Keyboard . . 64
- Changing the Text Input Mode - Keypad 65
- Using ABC Mode 65

Using Symbol/Numeric Mode 66
Predictive Text 66
Samsung Keyboard Settings 67
Using the Google Voice Typing Feature 67
Entering Text Using Swype 67
Section 5: Accounts and Contacts 69
Accounts 69
Contacts 70
Section 6: Multimedia 79
Media Hub 79
Music Hub 81
Music Player 81
Using Playlists 83
Google Play Music 84
Video Player 85
Play Movies & TV 88
Gallery 88
Camera 91
Using the Camera 91
Camera Options 92
Using the Camcorder 96
Camcorder Options 97
Section 7: Messaging 100
Types of Messages 100
Creating and Sending Messages 100
Message Options 101
Viewing New Received Messages 103
Deleting Messages 104
Message Search 104
Messaging Settings 105
Using Email 107
Using Gmail 108
Google Talk 110
Messenger 110
ChatON 111
Google+ 113
Section 8: Connections 114
Internet 114
Wi-Fi 120
NFC 124
Bluetooth 124
PC Connections 127
NFC 129

Section 9: Applications 130
AllShare Play 130
Calculator 134
Calendar 134
Camera 136
ChatON 136
Clock 137
Contacts 140
Downloads 140
Dropbox 140
Email 142
Flipboard 142
Gallery 143
Game Hub 143
Gmail 143
Google Search 143
Google+ 143
Group Cast 143
Help 144
Internet 144
Kies air 144
Latitude 144
Local 146
Maps 146
Media Hub 148
Messaging 148
Messenger 148
Music Hub 148
Music Player 149
My Files 149
Navigation 149
Paper Artist 151
Phone 151
Play Books 151
Play Magazines 152
Play Movies & TV 152
Play Music 152
Play Store 152
Polaris Office 4.0 153
S Note 153
S Suggest 153
S Voice 154
Samsung Apps 154
Settings 154

Talk 155
Video Player 155
Voice Recorder 155
Voice Search 156
VPN Client 156
YouTube 156
Section 10: Changing Your Settings 158
Accessing Settings 158
Wi-Fi Settings 158
Bluetooth settings 161
Sharing and Transferring Files 163
More settings 165
Airplane mode 165
Mobile networks 165
Tethering & portable hotspot 166
Location services 168
Personalization 170
Sound Settings 170
Display Settings 172
LED indicator 173
Lock Screen Settings 174
Home screen mode 177
Data Usage 177
Device Storage 178
Battery Usage 178
Application Manager 179
Power Saving 180
More settings Settings 180
Voice Settings 181
Security Settings 182
One-handed operation 184
Language and Input Settings 184
Cloud 187
Back Up and Reset 188
Dropbox 189
Accounts 190
Motion Settings 190
S Pen Settings 192
Accessory Settings 193
Date and Time 193
Accessibility Settings 194
Developer Options 195
About Device 196

Section 11: Health and Safety Information 197
Exposure to Radio Frequency (RF) Signals .. 197
Specific Absorption Rate (SAR) Certification Information 202
FCC Part 15 Information to User 203
Commercial Mobile Alerting System (CMAS) . 204
Smart Practices While Driving 204
Battery Use and Safety 205
Samsung Mobile Products and Recycling ... 207
UL Certified Travel Charger 208
Display / Touch-Screen 209
GPS 209
Emergency Calls 210
Care and Maintenance 211
Responsible Listening 212
Operating Environment 214
FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices 216
Restricting Children's Access to Your Mobile Device 217
FCC Notice and Cautions 218
Other Important Safety Information 218
Section 12: Warranty Information 220
Standard Limited Warranty 220
End User License Agreement for Software .. 225
Section 13: Samsung Product Registration 233
Index 234

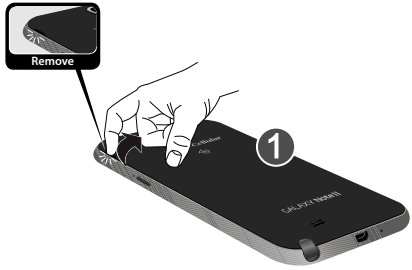
Section 1: Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

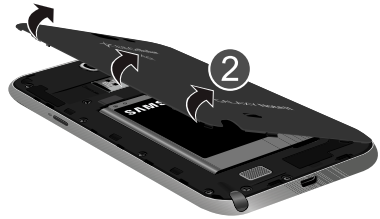
Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1. Remove the back cover by inserting a fingernail into the slot on the top of your phone (1).



2. Lift the cover up (2) and away from the phone.



Caution! Do not bend or twist the back cover excessively. Doing so may damage the cover.

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

Important! You can easily damage the plug-in SIM card information and its contacts by scratching or bending the card, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

- Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.
  Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown

Note: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

Installing the Battery

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
2. Gently press down to secure the battery (2).

Removing and Installing the Memory Card

You can use a microSD™ (SD) or microSDHC™ card to expand available memory space if you desire. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This type of memory card is designed for use with this mobile phone and other devices.

Note: Your phone has been tested to support up to a 64GB memory card.

Installing the Memory Card

- Push the microSD card into the slot until it clicks (as shown).
  - Make sure the microSD's gold contact pins face downward and the card is securely inserted.

For more information on Memory Cards, see *"Memory Card"* on page 46.

Removing the Memory Card

1. Push on the memory card until it clicks and releases.
2. Grasp the memory card and remove it from the phone.

Installing the Back Cover

1. Place the battery cover onto the back of the phone and press down.

2. Press along the edge of the back cover until you have a secure seal.

Note: Make sure the battery is properly installed before switching on the phone.

Charging a Battery

Your device is powered by a rechargeable Li-ion battery. The Travel Charger that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so will require additional charging time.

Using the Travel Charger

Important! Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.

1. Plug the flat end of the Travel Charger into the Power/ Accessory Interface connector and the other end into a standard AC wall outlet.
2. When charging is finished, remove the flat end from the interface connector jack on the phone.

Warning! If your handset has a touch screen display, note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 220.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a

quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.

Switching the Phone On or Off

1. Press and hold Power until the phone switches on.

2. Swipe your finger across the screen to unlock the phone.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *"Changing Your Settings"* on page 158.

3. To switch off the phone, press and hold Power, until the **Device options** screen displays.
4. Tap **Power off** to switch off the phone.
5. At the **Power off** prompt, tap **OK**.

Locking and Unlocking the Touch Screen

1. Press Power to lock the touch screen.
2. Press Power again to display the lock screen then swipe your finger across the screen to unlock.

Creating a Samsung Account

An active Samsung account is required to begin accessing applications such as ChatON and AllShare Play.

1. From the home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically. For more information, refer to *"Notification Bar"* on page 44.

2. Tap **Samsung account**.
3. Tap **Create new account**.
4. Tap **Terms and conditions** to read them and tap **OK**.
5. Tap the **I accept all the terms above** checkbox.
6. Tap **Privacy policy** and read the policy and tap **OK**.
7. Tap **Agree**.
8. Enter the required information and tap **Sign up**.
9. At the Welcome screen, tap **Next**.
10. Follow the on-screen instructions to verify your email address and activate your account.

Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

If you did not create a new account during the setup procedure when you first turned your phone on, follow these steps:

1. From the Home screen, tap → **Gmail** .
   The **Add a Google Account** screen displays.
2. Tap **New** to create a new Google account.
   – or –
   If you already have a Google account, tap **Existing** to sign in and add the account to your phone.
3. Follow the on-screen instructions to add a Google Account.

Note: Once you have created a Google account, you only need to sign in.

Retrieving your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to retrieve it:

1. From your computer, use an Internet browser and navigate to http://google.com/accounts.
2. Click on the **Can't access your account?** link.
3. Tap the **I forgot my password** radio button.
4. Enter your Email address and click **Continue**.
5. Follow the password recovery procedure.

Setting Up Your Voice Mail

1. From the Home screen, tap , then tap .
2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From the Home screen, tap , then tap . You may be prompted to enter a password.
2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your password.

Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that display when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

- 4G LTE network with 1.6 gigahertz quad-core processor
- Android v 4.1.1, Jelly Bean Platform
- Touch screen provides quick response to a variety of in-phone menus and options including applications and five home screens
- Virtual (on-screen) QWERTY keyboard
- Ready access to the Internet
- Built-in Bluetooth and advanced Wi-Fi® technology
- USB Tethering-capable
- Mobile Hotspot Capability
- Brilliant 5.5" HD SuperAMOLED plus display
- 8 Megapixel camera and camcorder with 1.9 Megapixel Front Facing camera
- GPS Navigation functionality provides real-time navigation
- Up to 32 GB expandable memory slot
- Corporate and Personal Email
- Sync and update social network applications
- Over 250,000 Apps available to download
- Access to Movies and TV Shows with Samsung Media Hub
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Multiple Messaging Options: Text/Picture/Video Messaging, and Instant Messaging with Google Talk™
- DivX Certified® to play DivX® video up to HD 1080p, including premium content
- AllShare™ Play to share your media content across DLNA certified devices

Front View of Your Phone

1. **Status light**: displays red when charging, green when fully charged, blue when powering up, and orange when a notification has arrived.
2. **External speaker**: allows you to hear the caller.
3. **Application icons**: you can place shortcuts to your favorite applications on the Home screen.
4. **Primary shortcuts**: allows quick access to important features such as Phone, Contacts, Messaging, Internet, and Apps. For more information, refer to *"Primary Shortcuts"* on page 25.
5. **Menu key**: allows you to access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messaging, and Web.
6. **Home key**: allows you to return to the main Home screen from any Home screen or menu. Press and hold to display Task Manager. Quickly press twice to activate the S Voice application.
7. **Back key**: allows you step backwards when navigating a menu or web page.

8. **Home screen indicator**: shows which Home screen is presently displayed.
9. **Google Quick Search bar**: a shortcut to Google Search that allows you to search for items on the internet.
10. **AccuWeather screen**: displays Time, Day, Date, Temperature and weather conditions for your area.
11. **Indicator icons**: shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, etc.
12. **Front facing camera**: allows you to take pictures of yourself when you set the camera shooting mode to Self shot.
13. **Proximity and Light sensors**: uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off.

Side Views of Your Phone

1. **3.5mm Headset jack**: allows you to plug in headphones.
2. **Volume keys**: allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key ( ) to mute the ring tone. Adjusts text size when reading a message or using the browser in the Apps folder.
3. **Power/Accessory Interface connector**: allows you to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
4. **Microphone**: allows other callers to hear you when you are speaking to them. It also used for the Speakerphone.
5. **Power/Lock key**: ( ) lets you power your phone on and off. Also allows you to lock or unlock the touch screen. For more information on locking your phone, see *"Locking and Unlocking the Phone"* on page 36.
6. **Microphone**: used for noise cancellation and stereo recording.

Rear View of Your Phone

1. **Camera lens**: is used to take pictures and shoot videos.
2. **External speaker**: allows you to hear when the Speakerphone is turned on.
3. **S Pen**: assists you in performing different functions.
4. **Flash**: is used to provide adequate light when taking pictures in dark places.

S Pen

The S Pen is a stylus that assists you in performing different functions. By using the Pen button, you can minimize having to switch between touch and pen input.

1. **Pen button**: by pressing the Pen button, you can add functionality to the S Pen. For more information, refer to *"Using the S Pen"* on page 19.
2. **Stylus tip**: the tip of the S Pen is used for tapping the screen.

S Pen Functionality

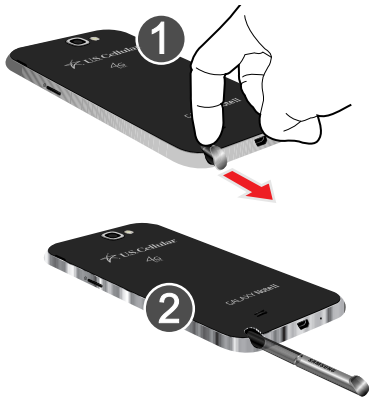
- **Air View**: Hover S Pen over the screen to preview information.
- **Effectively express yourself**: Write/Draw directly into an email, or the calendar, annotate Word, Excel, PowerPoint, and PDF documents, capture your ideas in S Note, write a note on the back of the picture.
- **Quick Command**: Launch Quick Command to activate frequently used applications or actions. Press the S Pen button and then drag the S Pen up the screen to display the Quick Command window.
- **Easy Clip**: Instantly outline and crop anything on the screen and freely edit or share with others.

Removing the S Pen from your Phone

The S Pen is stored in your phone to make it easier to keep track of.

To remove the S Pen, follow these steps:

1. Use your fingernail or a sharp object to pull the end of the S Pen out of the phone (1).



2. Pull the S Pen out of the phone (2).

Using the S Pen

There are several different functions you can perform by using the S Pen.

Back Button

To move to a previous screen, hold the S Pen button and touch and drag the screen to the left. The previous screen displays.

Screen Shots Using S Pen

To take a screen capture using the pen:

Note: These steps allow you to take a capture of the entire screen contents.

1. Grasp the S Pen and press the **S Pen** button.
2. Press the S Pen button then touch and hold the screen for 2 seconds to take a screen shot.

Using Easy Clip

Instantly outlines and crops images displayed on the screen in any shape to share or paste with Easy Clip. Once you select the image, you can freely edit the cropped content, or personalize with your handwriting.

To take a selective screen capture:

Note: These steps allow you to capture selected areas of a screen based on a freehand area drawn on-screen.

1. Grasp the S Pen.
2. Press and hold the **S Pen** button then quickly draw a free-form enclosed shape on the screen to select the area to capture.

Note: You must touch the beginning and ending points to capture an area on the screen.

3. Tap a destination for the newly captured image from the bottom of the screen. Tap one of the following options: Scrapbook (creates a scrapbook folder in your S Note application), S Note, Email, Messaging, or ChatON, Bluetooth, Dropbox, Flipboard, Gmail, Google+, Group Cast, Paper Artist, Picasa.

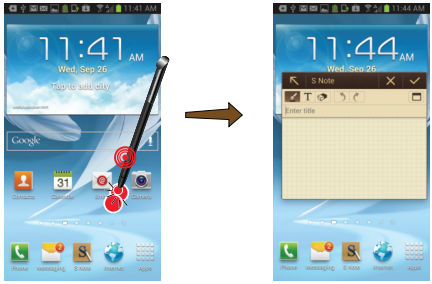
Note: If you take no action, after approximately 5 seconds, the image is automatically stored to the clipboard.

Menu Button

To display the menu from any screen, hold the S Pen button and touch and drag the screen upward. The menu displays.

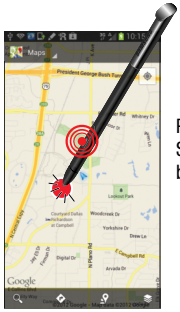
Launch S Note

S Note is an application that you can launch from any screen to take quick notes or jot down ideas. To open S Note, hold the S Pen button and double-tap the screen.



Screen Capture

To take a screen capture, hold the S Pen button and press and hold the S Pen anywhere on the screen. Files are saved in the **My Files** ➔ **sdcard0** ➔ **Screenshots** folder.

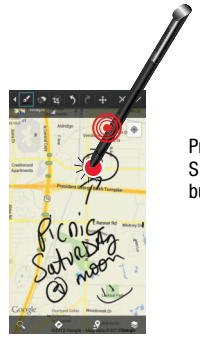


Press
S Pen
button

Write on any Screen after Capture

To take a screen capture of any screen:

1. With the pen in your hand, press the **Pen** button.
2. Press the S Pen button then touch and hold the screen for 2 seconds to take a screen shot.
   You will hear the phone click like a camera sound.
3. When the picture displays, use the pen to draw or write on the screen.
   Files automatically save to **My files** ➔ **Storage** ➔ **sdcard** ➔ **Picture** ➔ **Screenshots** ➔ **IM_edited** folder.



Press
S Pen
button

Using Gestures

By activating the various gesture features you can access a variety of time saving functions.

To activate motion:

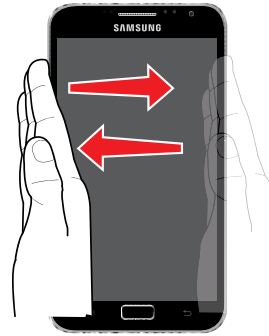
1. From the Home screen, press and then tap **Settings** ➔ **Motion**.
2. Tap the ON/OFF icon located at the top of the screen to activate motion.
3. Tap the check boxes located to the right of each motion option to activate the motions you wish. A checkmark displays to indicate activation.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap ➔ **Settings** ➔ **Motion** ➔ **Learn about motions**.

The following is a description of the available gestures:

- **Quick glance**: Once enable, you can check key information at a glance by reaching towards your device.
- **Direct call**: Once enabled, the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear.
- **Smart alert**: Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages.
- **Double tap to top**: Once enabled, double tap the top of the device to be taken to the top of the current on-screen list.
- **Tilt to zoom**: Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the tilt the device back and forth to zoom in or out.
- **Pan to move icon**: Once enabled, touch and hold a desired application shortcut icon or widget on the screen. Once it detaches, move the device left or right to migrate it to a new location.
- **Pan to browse images**: Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around the large on-screen image.

- **Shake to update**: Once enabled, shake your device to re-scan for Bluetooth devices, re-scan for Wi-Fi devices, Refresh a Web page, etc.
- **Turn over to mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pickup to be Notified Gesture.
- **Palm swipe to capture**: Once enabled, you can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe form left to right. The image is then copied to the clipboard.



- **Palm touch to mute/pause**: Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.

For more information, refer to *"Power Saving"* on page 180.

Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to *"Front View of Your Phone"* on page 15.

Primary Shortcuts

There are four non-movable Application Shortcuts that display at the bottom of all Home screens. The default shortcuts are:

- **Phone** for dialing a number.
- **Messaging** for creating and viewing Messages.
- **S Note** for creating notes using the keypad or S Pen.
- **Internet** for surfing the Internet.
- **Apps** for accessing the applications on your phone.

You can change the Phone, Messaging, S Note, and Internet application shortcuts to any icon that displays in the Apps menu.

For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 39.

Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when there is a system error or alert.

Displays when a call is in progress.

Displays when a call is on hold.

Displays when the speakerphone is on.

Displays when a call was missed.

Displays when a call was muted.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Very Low – Shows your current battery only has between 5 and 15 percent power remaining.

Device Power Critical – Shows your current battery only has less than 5 percent power remaining and will immediately shutdown.

Displays when your phone is communicating with the 3G system.

Displays when your phone is communicating with the 4G LTE network.

Displays when your phone is downloading or has downloaded a file. It will blink green when it is installing.

Displays when the an outbound file transfer is in progress.

Displays when a Play Store download has completed.

Displays when updates are available for download.

Displays when the phone is connected to a computer via a supported USB cable connection.

Displays when the phone is tethered via a supported USB cable connection.

Displays when a new text or multimedia message is received.

Displays when a new voice mail is received.

Displays when Email is received.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *"Calendar"* on page 134.

Displays when you set an alarm to ring at a specified time. For more information, refer to *"Alarm"* on page 137.

Displays when the Sound profile is set to Mute.

Displays when the Sound profile is set to Vibrate.

Displays when Bluetooth is activated.

Displays when a Bluetooth device has been paired with the phone.

Displays briefly when Bluetooth is on but is not connected to a Bluetooth device.

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).

Displays when Wi-Fi Direct is active and your phone is connected to another device.

Displays when your phone as been configured as a portable Wi-Fi hotspot.

Displays when your phone is connected to a PC using Kies air.

Displays when your phone is connected to a Digital Living Network Alliance (DLNA) certified device using the AllShare Play application.

Displays when GPS is active and acquiring a signal.

Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Displays when your phone is connecting to the Device Management server when you first turn on your phone.

Displays when your device is connected to control streaming media and is connected to a Digital Living Network Alliance (DLNA) certified device using the AllShare Play application.

Displays when a file is being uploaded or sync'd between your device and an external Web storage location.

Displays when the uploaded or transferred file was successfully delivered.

Displays when TTY device has been inserted.

Displays when a screen capture has been taken.

Displays when the keypad is active.

Displays when you have not yet set up a Samsung Account.

Displays when an emergency call is taking place.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 158.

Application Icons

The Apps menu provides quick access to the items you use most frequently.

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

For information on navigating through the Apps icons, see *"Navigating Through the Application Menus"* on page 37.

1. From the Home screen, tap , then tap one of the application icons.
2. Follow the on-screen instructions.
3. To return to the main Home screen, tap .

The following applications are available:

AllShare Play: AllShare Play allows your phone to stream photos, music and videos from its memory to other Digital Living Network Alliance (DLNA) certified devices. Your phone can also play digital content streamed from other DLNA certified devices. For more information, refer to *"AllShare Play"* on page 130.

Calculator: Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator. For more information, refer to *"Calculator"* on page 134.

Calendar: With the Calendar application, you can consult the calendar by day, week, month, year, create events, and set an alarm to act as a reminder, if necessary. For more information, refer to *"Calendar"* on page 134.

Camera: Use your 8.0 megapixel camera feature to produce photos and videos. For more information, refer to *"Camera"* on page 91.

ChatON: With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can also chat in groups. For more information, refer to *"ChatON"* on page 136.

Clock: The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and setup a Desk Clock. For more information, refer to *"Clock"* on page 137.

Contacts: You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group. For more information, refer to *"Accounts and Contacts"* on page 69.

Downloads: The Downloads application allows you to manage all of your downloads from the Play Store and the Browser. For more information, refer to *"Downloads"* on page 140.

Dropbox: Works to provide access to your desktop files directly from your device. For more information, refer to *"Dropbox"* on page 140.

Email: Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 107.

Flipboard: This application creates a personalized digital magazine out of everything shared with you. Access news stories, personal feeds and other related material. For more information, refer to *"Flipboard"* on page 142.

Gallery: The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 88.

Game Hub: Provides a premium one-stop service center that let's you play, connect and share games on compatible Samsung Android devices. For more information, refer to *"Game Hub"* on page 143.

Gmail: Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 108.

Google Search: The Google Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, see *"Google Search Bar"* on page 34.

Google+: Google+ makes messaging and sharing with your friends a lot easier.

Group Cast: This application allows you to mirror photos and multimedia presentations with other members of your current Wi-Fi group. For more information, refer to *"Group Cast"* on page 143.

Help: Provides access to built-in Help information.

Internet: Open the web browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet"* on page 114.

Kies air: Kies air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. You can view call logs, videos, photos, bookmarks, IMs, and even send SMS messages from your home computer. For more information, refer to *"Kies air"* on page 128.

Latitude: With Google Latitude, you can see the location of all of your friends on a map or on a list. You can also share or hide your location. For more information, refer to *"Latitude"* on page 144.

Local: Local is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and more. You can also add your own locations. For more information, refer to *"Local"* on page 146.

Maps: Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends. For more information, refer to *"Maps"* on page 146.

Media Hub: Samsung Media Hub is your one stop for the hottest movie and TV content. You can rent or purchase your favorite content and watch from the convenience of anywhere. For more information, refer to *"Media Hub"* on page 79.

Messaging: You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 100.

Messenger: Messenger allows you to bring groups of friends together into a simple group conversation. For more information, refer to *"Messenger"* on page 110.

Music Hub: Turn your device into a personal music manager and access, buy, and download millions of music tracks. For more information, refer to *"Media Hub"* on page 79.

Music Player: Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music Player"* on page 81.

My Files: My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location. For more information, refer to *"My Files"* on page 149.

Navigation: Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination. For more information, refer to *"Navigation"* on page 149.

Paper Artist: This graphic application provides a user with the ability to start from either an empty canvas or by importing a picture from your Gallery or as a new image. For more information, refer to *"Paper Artist"* on page 151.

Phone: Allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 48.

Play Books: With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore. For more information, refer to *"Play Books"* on page 151.

Play Magazines: With Subscribe to your favorite magazines and have them available to read on your phone at any time or any place. For more information, refer to *"Play Magazines"* on page 152.

Play Movies & TV: With Google Play Movies & TV, you can rent thousands of different movies. You can watch instantly, or download your movie or show for offline viewing at a later time. For more information, refer to *"Play Movies & TV"* on page 88.

Play Music: With the Music application, while online, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *"Google Play Music"* on page 84.

Play Store: The Play Store provides access to downloadable applications and games to install on your phone. For more information, refer to *"Play Store"* on page 152.

Polaris Office 4.0: Polaris® Office 4.0 is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline. For more information, refer to *"Polaris Office 4.0"* on page 153.

S Note: The S Note application allows you to create notes using the keypad, the S Pen tool, or both. You can add images, voice recordings, and text all in one place. For more information, refer to *"S Note"* on page 153.

S Suggest: This application recommends popular applications when connected to a Wi-Fi network. All recommended applications are guaranteed to be compatible with your device. For more information, refer to *"S Suggest"* on page 153.

S Voice: With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc. For more information, refer to *"S Voice"* on page 154.

Samsung Apps: Allows you to easily download applications such as games, news, reference, social networking, and navigation to your device. For more information, refer to *"Samsung Apps"* on page 154.

Settings: This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 158.

Talk: Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Google Talk"* on page 110.

Video Player: The Video Player application plays video files stored on your microSD card. For more information, refer to *"Video Player"* on page 85.

Voice recorder: The Voice recorder allows you to record an audio file up to one minute long and then immediately send it as a message. For more information, refer to *"Voice Recorder"* on page 155.

Voice Search: Launches the Google Now application that is used for voice to text Internet searching. For more information, refer to *"Voice Search"* on page 156.

VPN Client: VPN Client provides support for the latest IPSec VPN standards and provides interoperability with support for all major VPN Gateways. For more information, refer to *"VPN Client"* on page 156.

YouTube: YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format. For more information, refer to *"YouTube"* on page 156.

Tip: To open applications quickly, add the icons of frequently-used applications to the Home screen or to the folders you created. For details, see *"Customizing Your Home Screen"* on page 38.

Google Search Bar

The Google Search Bar provides you an on-screen Internet search engine powered by Google™.

1. From the main home screen, tap the Google Search bar .
2. Use the on-screen keypad to enter the item you want to search for, then tap .
3. Tap to use Google Voice Search.

Menu Navigation

You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus. Your phone originally has five home screens.

Command Keys

Menu Key

Press **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Press **Home** to display the main Home screen. Press and hold to display recently used apps and access the Task manager.

Back Key

Press **Back** to return to the previous screen, option or step.

Terms used in this user manual

Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe and Palm Swipe

To swipe, lightly drag your finger vertically or horizontally across the screen. Use swipe when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

- Capturing the screen

Panning

To pan, touch and hold a selected icon, then move the device to the left or right to reposition it to another page. You must first activate Motion on your device. Use panning to:

- Move icons on your Home screens or Application Menus to another page.

For more information, refer to *"Power Saving"* on page 180.

Tilt

To activate the tilt feature, press and hold two points on the screen then tilt the device back and forth to reduce or enlarge the screen. Use tilt to:

- Reduce or enlarge the screen in the Gallery or Browser.

For more information, refer to *"Power Saving"* on page 180.

Turn over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

Locking and Unlocking the Phone

To unlock your phone:

1. Press the lock button located on the upper right side of your phone.
2. The lock screen displays with **Swipe screen to unlock** displayed at the bottom of the screen.
3. Swipe the touch screen in any direction.
4. The Home screen displays as shown above.

Note: There are several additional ways you can lock your screen. For more information, refer to *"Lock Screen Settings"* on page 174.

Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing .

Navigating Through the Home Screens

Your phone initially has five home screens. If you like, you can place different applications on each of the home screens.

- From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with two Home screens on each side.

Navigating Through the Application Menus

Your phone initially has three Application Menus available. Follow these steps to navigate through the Application Menus:

1. At the Home screen, tap . The first Application Menu displays.
2. Sweep the screen left or right to access the other two menus.
3. Tap one of the application icons.

Note: As you add applications, the number of Application menus that you have available will increase.

Navigating Using Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Internet.

To access a sub-menu:

1. Press .

   A sub-menu displays at the bottom of the phone screen.

2. Tap an option.

Accessing Recently-Used Apps

1. Press and hold from any screen to open the recently-used applications window.
2. Tap an icon to open the selected application.

   – or –

   Tap **Task manager** to go to the Task manager.

Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Creating Shortcuts
- Adding and Removing Widgets on the Home Screen
- Repositioning Widgets
- Creating Folders
- Changing the Wallpaper
- Adding and Deleting Home Screens

Creating Shortcuts

Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

Note: To move a shortcut from one screen to another, it must first be deleted from its current screen. Navigate to the new screen, then add the shortcut.

Adding a shortcut from the Apps Menu

1. Press [Home] to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Tap [Apps] to display your current applications.
4. Scroll through the list and locate your desired application.
5. Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the **Apps** tab.
6. While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

Adding a shortcut via the Add to Home screen

1. Press [Home] to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the Home screen.
4. Tap **Add to Home screen**.
5. Tap **Apps and widgets**, **Folder**, or **Page**.
6. Press and hold a shortcut from the available list and position it on the current screen.

Deleting a shortcut

1. Press [Home] to activate the main Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
3. Drag the icon over the Delete icon [Trash] and release it. As you place the shortcut into the Trash, both items turn red.

Note: This action does not delete the shortcut, it just removes it from the current screen.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the **Apps** [Apps] shortcut.

1. Press [Home] to activate the main Home screen.
2. Touch and hold the primary shortcut you want to replace, then drag it to an empty space on any Home screen.

3. Scroll through the Home screen to find the shortcut you want to add as the new primary short cut.
4. Touch and hold the new shortcut, then drag it to the empty space in the row of primary shortcuts.

   The new primary shortcut will now display on all Home screens.

Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget displays as an on-screen application.

Adding a Widget

1. Press [Home] to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the screen.
4. Tap **Apps** [Apps].
5. Tap the **Widgets** tab at the top of the screen.
6. Press and hold an available Widget to position it on the current screen.

Removing a Widget

1. Touch and hold a Widget until you can move it around on the screen.
2. Drag the Widget over the Delete icon [Delete] and release it.

   As you place the Widget into the Trash, both items turn red.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

Moving Icons in the Apps Menu

1. Press [Home] to activate the main Home screen.
2. Tap [Apps] to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press [Menu] and tap **View type**.
5. Tap **Customizable grid**. A green circle displays next to the option.
6. Press [Menu] and tap **Edit**.

7. Scroll through the list and locate the icon you wish to move.
8. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
9. Tap **Save**.
10. Press [Home] to return to the Home screen.

Creating Application Folders

You can create application folders to hold similar applications if you wish.

To create a folder follow these steps:

1. Press [Home] to activate the main Home screen.
2. Tap [Apps] to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press [Menu] and tap **Edit**.
5. Touch and hold the first application that you would like to move to a folder.
6. Drag the icon down to the [Folder] icon.
7. A folder displays in the original place of the application icon with the application icon displayed on top of it.
8. Repeat steps 5 - 7 to add additional apps to the folder.
9. Drag the icon down to the [Info] icon to view information on the application.
10. Tap **Save**.

Adding a New Page to the Application Menu

You can add a new page to your application menu by following these steps:

1. Press [Home] to activate the main Home screen.
2. Tap [Apps] to display your current applications.
3. Tap the **Apps** tab.
4. Press [Menu] and tap **Edit**.
5. Touch and hold the first application to move to a new page.
6. Drag the icon up to the [Create page] **Create page** icon. The app displays on a new page.

Changing the Wallpaper

You can change the Wallpaper (background) of your home screens by following these steps:

1. From any Home screen, touch and hold on an empty area of the screen.

The **Home screen** window displays.

2. Tap **Set wallpaper for**.
3. Select the location where you would like to change the wallpaper. Tap **Home screen**, **Lock screen**, or **Home and lock screens**.
4. Tap one of the following options:
   - **Gallery**: select a wallpaper from photographs you have taken with your camera.
   - **Live wallpapers**: select an animated wallpaper. This option is not available for the Lock screen option.
   - **Wallpapers**: select from many still-life wallpapers.
5. Select a wallpaper and tap **Set wallpaper**, **Done**, or **Cancel**.

Moving Home Screens

Your phone comes with seven Home screens. You can arrange the screens in any order that you want.

To move a Home screen, follow these steps:

1. Press ⬭ to activate the main Home screen.
2. Press ▭ and tap **Edit page**.
3. Touch and hold the Home screen to move.

4. Drag it to the new location.

   In this example, the Yahoo! news screen is moved to the last position.

   When you move a Home screen, the other Home screens automatically re-order.

5. Press ⬭ to return to the main Home screen.

Adding and Deleting Home Screens

You can delete Home screens and then add Home screens later if you want.

To add a Home screen, follow these steps:

1. Press ▬ to activate the main Home screen.
2. Press ▭ and tap **Edit page**.
3. Touch and hold the Home screen that contains ⊕.

   A new screen is added.

Note: The ⊕ icon will only be displayed if a Home screen has previously been deleted.

4. Press ▬ to return to the main Home screen.

   You can now add items to your new Home screen.

To delete a Home screen, follow these steps:

1. Press ▬ to activate the main Home screen.
2. Press ▭ and tap **Edit page**.
3. Touch and hold the Home screen you want to delete.

4. Drag it to the trash can located at the bottom of the screen.

5. If there are items on the Home screen that you want to delete, the **Remove home screen page** prompt displays.
6. Tap **OK** to delete the page and its contents, otherwise tap **Cancel**.
7. Press [Home] to return to the main Home screen.

Notification Bar

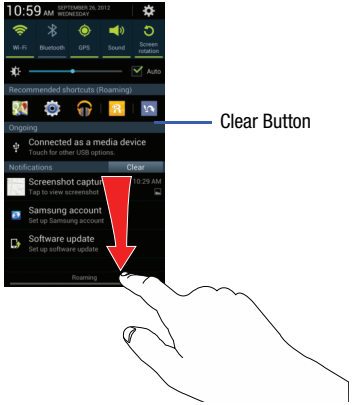
The Notification Bar includes a pull-down list to show information about processes that are running, recent notifications, and alerts. To display the Status indicator:

- On the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.

Clearing Notifications

To clear all notifications from the Notification panel:

1. From the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.

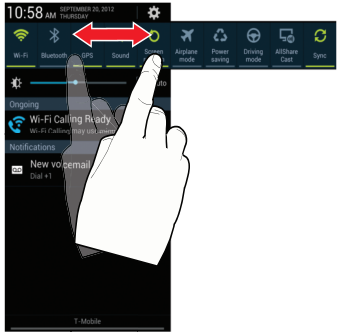


2. Tap the **Clear** button.

   The notifications are cleared and the panel closes.

Accessing Additional Panel Functions

In addition to notifications, this panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off.



The following functions can either be activated (green) or deactivated (gray): Wi-Fi, Bluetooth, GPS, Sound, Screen rotation, Airplane mode, power saving, Driving mode, AllShare Cast, and Sync.

Memory Card

Your device lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device's SD functionality. The device has a USB SD card mode.

Mounting the SD Card

To store additional photos, music, videos, and other applications, you must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

1. Insert the SD card into the external, SD card slot. For more information, refer to *"Removing and Installing the Memory Card"* on page 8.
2. Your SD card is scanned to see the available information on it.

Unmounting the SD card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the Home screen, tap ➔ **Settings** ➔ **Storage**.
2. Scroll to the bottom of the display and tap **Unmount SD card**.
3. Tap **OK**.

   For more information, refer to *"Removing and Installing the Memory Card"* on page 8.

SD card Available Memory Status

To view the memory allocation for your external SD card:

1. From the Home screen, tap ➔ **Settings** ➔ **Storage**.
2. The available memory for Device and SD card displays under the **Total space** and **Available space** headings.

Erasing Files from the SD card

You can erase files from the SD card using the phone.

1. Ensure the SD card is mounted. For more information, refer to *"Mounting the SD Card"* on page 46.
1. From the Home screen, tap ➔ **Settings** ➔ **Storage**.
2. Tap **Format SD card**.
3. At the **Format SD card** confirmation prompt, tap **Format SD card**.

Warning! Performing the next step erases all data stored on the SD card.

---

4. Tap **Delete all** to format or press to cancel.

Section 3: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

For more information, refer to *"Sound Settings"* on page 170.

Displaying Your Phone Number

- Tap → **Settings** → **About device** → **Status**. Your phone number displays in the **My phone number** field.

Making a Call

1. From the Home screen, tap and use the on-screen keypad to enter the number you wish to dial.
2. Tap to make the call.

Note: When you activate the **Auto redial** option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, refer to *"Call Settings"* on page 59.

Making an International Call

1. From the Home screen, tap , then touch and hold 0 +. The **+** character displays.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
   - If you make a mistake, tap until the desired numbers have been deleted.
3. Tap to make the call.

Manual Pause Dialing

To manually call a number with pause(s) without storing it in your Contacts list:

1. From the Home screen, tap and use the on-screen keypad to enter the phone number.
2. Press to display the dialer sub-menu.
3. Tap **Add 2-sec pause** to add a two-second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than three seconds by entering multiple three second pauses.

4. Select **Add wait** to add a wait. A wait will pause the calling sequence until you enter a number or press a key.
5. Tap to make the call.

For more information, refer to *"Manual Pause Dialing"* on page 48.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

- After entering a number using the keypad:
  - If you make a mistake, tap to erase a single character.
  - Press and hold to erase the entire string of numbers.

Ending a Call

- Tap the key.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Contact List, the associated name also displayed.

1. From the Home screen, tap .
2. Tap the **Recent** tab.
   A list of recent calls displays.
3. Tap the desired Contact to enter the **Details** page, then tap to make a call.

Making Emergency Calls

If you do not have a SIM card installed the first time you turn on the phone, the **Insert SIM card to make calls** message displays and an animated tutorial shows you how to install the SIM card.

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

Making an Emergency Call without a SIM card

1. Tap **Emergency call** from the on-screen display to make an emergency call.
2. Enter 9-1-1 and tap . Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
3. Tap to exit this calling mode.

Making an Emergency Call with a SIM card

The Emergency calling mode makes redialing an emergency number a 1-tap process. Before you can resume normal calling operations, you should first exit this mode.

1. From the Home screen, tap .
2. Enter the emergency number (ex: 911) and then tap .
3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.

   After completing your emergency call, displays in the Notification area until you exit the Emergency calling mode.

Note: This mode can drain your battery power more rapidly than a normal calling mode.

4. At the Emergency Callback screen, tap Call 911 to callback 911 with a single tap.

   – or –

   Tap to end the calling mode.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

1. From the Home screen, tap **Contacts** to display your Contacts List.
2. Press to display the Contacts List sub-menu.
3. Tap **Speed dial setting**.
4. The **Speed dial setting** screen displays showing the numbers 1 through 100. The number 1 is reserved for Voicemail.
5. Tap an unused number and the **Select contact** screen displays.
6. Select a contact to assign to the number. The selected contact number displays in the speed dial number box.

To remove a speed dial number or change the order

1. From the Home screen, tap **Contacts** to display your Contacts List.
2. Press to display the Speed dial setting sub-menu.
3. Tap **Change order** or **Remove**.

4. To make a call using Speed Dial, tap → **Keypad** and from the Dialer, touch and hold the speed dial number.

Making a Call from the Contacts List

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the **Contacts List**.

Answering a Call

When a call is received the phone rings and displays the caller's phone number, or name if stored in the Contact List.

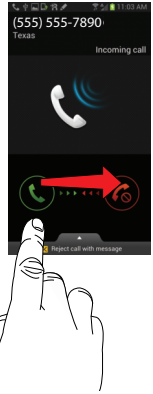
1. At the incoming call screen:
   - Touch and drag in any direction to answer the call.
   - Touch and drag in any direction to reject the call and send it to your voicemail.
   - Touch and drag the **Reject call with message** tab upward and tap a predefined text message to send to the caller.
     - I'm driving
     - I'm in a meeting
     - I'm at the cinema
     - Sorry, I'm busy. Call back later.
     - I'm in class

     – or –

     – Tap **Create new message** to compose a new message.

     – or –

     – Tap **Remind me later** and then set a time that you would like to be reminded.



2. Tap End call to end the call.

Note: You can answer a call while using the Contact List or other menu feature. After ending the call, the phone returns to the previously active function screen.

Dialing Options

From the Home screen and Application menus, you have the option to access the Dialer and initiate a call by tapping → **Keypad**. From the Dialer and the Contacts screen, the following tabs are located at the top of your screen:

- **Keypad**: dials the current number entered using the on-screen keypad.
- **Recent**: displays a list of recently dialed or received calls.
- **Favorites**: displays your contacts that you have marked as Favorites.
- **Contacts**: takes you to your Contact List where you can select a contact to call.

After you begin to enter numbers, the **Add to Contacts** option displays so you can save the Contact if needed.

Recent Calls

The phone stores the numbers of the calls you've dialed, received, or missed in Recent. Recent displays the details of the call.

1. From the Home screen, tap .
2. Tap the **Recent** tab.

   A list of recent calls displays. If the number or caller is listed in your Contact List, the associated name displays.

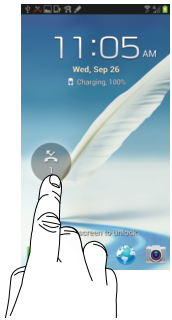
All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- **Incoming Calls**:
- **Outgoing Calls**:
- **Missed Calls**:
- **Rejected Calls**:
- **Auto Rejected Calls**:

Viewing Missed Calls from the Lock Screen

The number of calls you missed displays on the Home screen.

1. Touch the missed call icon with the number of missed calls on it and move it in any direction.



Note: If there is a voicemail sent by the same number, associated icons display and can then be selected.

2. The Call log displays. Missed calls are identified by the icon next to the number.

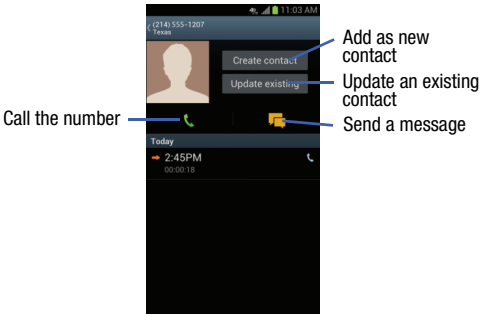
Calling Back a Missed Call

To call back a missed call number:

1. From the Home screen, tap → **Recent**.
   A list of recent calls displays. If the number or caller is listed in your Contact List, the associated name displays.
2. Swipe the desired missed call to the right to call.
   – or –
   Swipe the desired missed call to the left to message.

Saving a Recent Call to your Contacts List

1. From the Home screen, tap → **Recent**.
   A list of recent calls displays.
2. Tap the call you want to save to your Contact List.
3. The call detail page displays. Tap **Create contact** to add the call to your Contact List.
   The Create contact screen displays.
   – or –
   If you want to replace the number for an existing contact, tap **Update existing**.



4. Enter information into the various fields using the keypad.
5. Tap **Save** to save when you are finished.

For further details about the **Contact List** feature, see *"Adding Contacts"* on page 70.

Sending a Message to a Recent Caller

1. From the Home screen, tap → **Recent**.
   A list of recent calls displays.
2. Swipe the entry you want to message to the left.
3. At the Message screen, tap the empty text field and use the on-screen keypad to type in a message.
4. When you are done with your message, tap to send.
   For more information, refer to *"Creating and Sending Messages"* on page 100.

Deleting a Call from the Call Log

1. From the Home screen, tap → **Recent**.
   A list of recent calls displays.
2. Touch and hold the call you want to delete from **Recent**.
3. Tap **Delete**.
4. Tap **OK** at the **Delete** prompt.
   The call is deleted from Recent.

Adding a Call to the Reject List

1. From the Home screen, tap ➔ **Recent**.
   A list of recent calls displays.
2. Touch and hold the call you want to add to the Reject List.
3. Tap **Add to reject list**.
4. At the **Add to reject list** prompt, tap **OK**.
   Future calls from this number will be rejected and sent to your voicemail.

Call Duration

1. From the Home screen, tap ➔ **Recent**.
2. Press ➔ **Call duration**.
3. The following times display for Voice and Data:
   - **Last call**: shows the length of time for the last call.
   - **Dialed calls**: shows the total length of time for all calls made.
   - **Received calls**: shows the total length of time for all calls received.
   - **All calls**: shows the total length of time for all calls made and received.
4. You may reset these times to zero by pressing then tapping **Reset**.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the earpiece volume, use the **Volume** keys on the left side of the phone.

- Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

From the Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call there are several functions available by tapping a corresponding on-screen button.

- **Hold**: place the current active call on hold.
- **Add call**: displays the dialer so you can call another person.
- **Keypad**: displays the on-screen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- **End call**: terminates the call.

- **Speaker**: routes the phone's audio through either the speaker or through the earpiece.
  - Tap **Speaker** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line displays under the Speaker button.
  - Tap **Speaker** again to use the phone's earpiece (see *"Using the Speakerphone During an Active Call"* on page 58). The green line displays when Speaker is not activated.
- **Mute/Unmute** turn the onboard microphone either on or off.
  - Tap **Mute** during a call to mute the microphone. A green line displays under the Mute button.
  - Tap **Mute** again to unmute the microphone. The green line will disappear when Mute is not activated.
- **Headset** connects to a Bluetooth headset.
  - Tap **Headset** during a call to activate a Bluetooth headset. A green line displays under the Headset button.
  - Tap **Headset** again to de-activate the Bluetooth headset. The green line will disappear when the Headset is not activated.
- Press for more options:
  - **Contacts**: allows you to go to your Contact list.
  - **Message**: compose a text message and send it as a message or using ChatON.
  - **S Note**: allows you to jot down a note during a call.
  - **Noise Suppression Off**: allows you to turn off the Noise Suppression feature when you do not need it to conserve battery power.
  - **My call sound**: Adjust the sound for calls. Selections are: Off, Soft sound, Clear sound, Optimized for left ear, or Optimized for right ear.

To make a new call while you have a call in progress

1. Tap **Add call** to display the dialer.
2. Enter the new number and tap .

   Once connected, the active call displays in a large box at the top of your screen and the call on hold displays in a smaller box in the middle of your screen.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap **Swap**.

   The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call displays in a green box.
2. Tap to end the currently active call.

To end a specific call

1. Tap **Swap** until the call you want to end displays in a green box.
2. Tap to end the specific call.
3. Tap to end the remaining call.

To answer a call while you have a call in progress

1. Tap and slide to the right to answer another call.
2. Tap **Putting "Name/Number" on hold** to put the first call on hold.

   – or –

   Tap **Ending call with "Name/Number"** to end the first call.
3. To switch between the two calls, tap **Swap**.
   - **Swap**: Places the current call on hold and then activates the previous call. The active call displays in a green box. Tap **Swap** again to switch back.

To end a call on hold

1. Tap to disconnect the active call.
2. The call on hold will now become the active call. Tap to end the call.

3-Way Calling (Multi-Party Calling)

The 3-Way or Multi-Party feature allows you to answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together. You are notified of an incoming call by a call waiting tone.

Note: The **Merge** option combines all of the calls you have established with your phone (both active and on hold). **Swap** places the current call on hold and then activates the previous call.

This feature joins all of the calls you have established with your phone (both active and on hold) into a multi-party call.

1. Tap and slide to the right to answer the call.
2. Tap and slide to the right to answer the next call.
3. Tap **Putting "Number" on hold** to put the first call on hold.
4. Join the first two callers into a single multi-party call by tapping **Merge** .
5. To temporarily leave the conference call, tap **Hold** .

To rejoin the conference call tap **Unhold** Unhold.

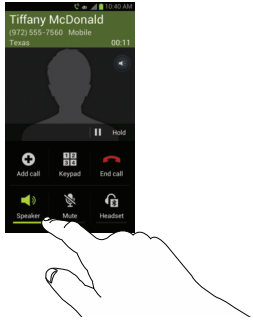
6. Tap End call to end the call.

Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

1. Tap **Speaker** Speaker.

   The **Speaker** button now displays as Speaker and the speakerphone is activated.



2. Use the **Volume** keys (located on the left side of your phone) to adjust the volume.
3. To deactivate the speakerphone, tap **Speaker** Speaker.

Important! For more information, see *"Responsible Listening"* on page 212.

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You wish to say something to person in the room, but do not want the person on the phone to hear you.

To mute your phone during a call

1. Tap **Mute** Mute.

   The **Mute** button now displays as Mute and Mute is activated.

2. Tap **Mute** Mute to deactivate the Mute function and reactivate the microphone.

Bluetooth headset

1. Tap **Headset** .
2. The phone will scan for your Bluetooth headset. When found, connect to the headset.

   The **Headset** button now displays as and the Bluetooth headset is activated.
3. Tap **Headset** to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Contact List

1. During the active call, press then tap **Contacts**.
2. Tap the Contact List entry.

For further details about the **Contact List** feature.

Call Settings

To access the Call settings menu:

- From the Home screen, tap → → **Call settings**.

Call rejection

1. From the Home screen, tap → → **Call settings** and tap **Call rejection**.
2. Tap the **OFF / ON** icon to turn Auto reject mode on .
3. Tap **Auto reject mode** and tap one of the following options:
   - **All numbers**: to reject all calls.
   - **Auto reject numbers**: to reject all calls in your Reject list.
4. Tap **Auto reject list**.
5. Tap to manually add numbers to the Reject list.
6. Tap **Unknown**, to automatically reject all calls that are not in your Contacts list.

Set reject messages

1. From the Home screen, tap → → **Call settings** → **Set reject messages**.
2. Tap to manually add a reject message.

   – or –

   Tap one of the pre-written messages to display when you want to reject the call. You can also edit the message.
3. Tap **Save** to save the reject message.

Ringtones and keypad tones

1. From the Home screen, tap → → **Call settings** → **Ringtones and keypad tones**.
2. Tap **Device ringtone**, select a ringtone, and tap **OK**.
3. Tap **Device vibration**, select a vibration type, and tap **OK**.
4. Tap **Incoming call vibration** to if you want your phone to vibrate when a call is incoming.
5. Tap **Keytones** to play a tone when you press the keypad.

Call alert

1. From the Home screen, tap → → **Call settings** → **Call alert**.
2. Tap **Call vibrations** to enable your phone to vibrate when the called party answers the phone.
3. Tap **Call status tones** to set the sound settings during a call then tap **OK**.
4. Tap **Alerts on call** to turn off alarm and message notifications during a call.

Call answering/ending

1. From the Home screen, tap → → **Call settings** → **Call answering/ending**.
2. The following options are available:
   - **Answering key**: Tap this option to be able to accept incoming calls by pressing the Home key.
   - **The power key ends calls**: This option will allow you to end a call by pressing the power key without turning off the screen.

Auto screen off during calls

This option turns on the proximity sensor during calls so that your phone will know to turn the screen off to save power.

- From the Home screen, tap → → **Call settings** → **Auto screen off during calls** to enable the feature.

Accessory settings for call

1. From the Home screen, tap → → **Call settings** → **Accessory settings for call**.
2. The following options are available:
   - **Automatic answering**: configures the device to automatically answer and incoming call when a headset is detected.

- **Automatic answering timer**: configures the time delay before the device automatically accepts the incoming call.
- **Outgoing call conditions**: allows you to make calls even when the device is locked.

My call sound

This option allows you to personalize the sounds you hear during a call with and without earphones.

1. From the Home screen, tap → → **Call settings** → **My call sound**.
2. Tap **My call sound settings**.
3. Tap **Personalize call sound** and follow the detailed on-screen instructions.

Use extra vol. for calls

This option allows you to see an extra volume button on the screen during calls.

- From the Home screen, tap → → **Call settings** → **Use extra vol. for calls** to enable the feature.

Increase volume in pocket

This option increases the ringtone volume when the device is in a pocket or a bag. It uses the proximity sensor to detect its location.

- From the Home screen, tap → → **Call settings** → **Increase volume in pocket** to enable the feature.

Additional settings

- From the Home screen, tap → → **Call settings** → **Additional settings** → **Noise reduction** to enable the feature.

Voicemail service

1. From the Home screen, tap → → **Call settings** → **Voicemail Service**.

   Voicemail service provided by your carrier is the default.
2. Tap **My carrier** to remove the carrier Voicemail service.

Voicemail settings

You can view or modify your voicemail number from this menu.

1. From the Home screen, tap → → **Call settings** → **Voicemail settings**.

2. Tap the **Voicemail number** field, backspace to erase the digits, and enter a new voicemail number using the keypad, then tap **OK**.
3. Tap **OK**.

Ringtone

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Ringone**.
2. Tap a ringtone to hear it played.
3. Select a ringtone and tap **OK**.

Vibrate

This option allows you to configure vibration settings.

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Vibrate**.
2. Tap **Always**, **Only in silent mode**, or **Never**.

Auto retry

When enabled, the phone automatically redials a call if it receives a busy signal from the network.

- From the Home screen, tap ➔ ➔ **Call settings** ➔ **Auto retry**.
  A check mark indicates selection.

TTY Mode

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **TTY mode**.
2. Tap **TTY Full**, **TTY HCO**, or **TTY VCO**. A green checkmark displays to indicate selection. Tap **TTY Off** to turn it off.

DTMF Tones

This option sets the length of Dual-tone Multi-frequency (DTMF) tones.

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **DTMF tones**.
2. Select **Normal** or **Long**.

Voice Privacy

When selected this feature provides Enhanced privacy mode.

- From the Home screen, tap ➔ ➔ **Call settings** ➔ **Voice privacy**.

Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Text Input Methods

There are two text input methods available:

- **Samsung keyboard (default)**: Samsung's on-screen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Google Voice typing**: allows you to enter text by speaking.

To change the input method, see *"Language and Input Settings"* on page 184.

Entering Text Using the Samsung Keyboard

From a screen where you can enter text, rotate your phone counterclockwise to a Landscape orientation. The on-screen QWERTY keypad displays.

Changing the Text Input Mode - Keypad

There are two main keypad layout keys that change on the keyboard display.

The available Text Input modes are: **Sym** and **Abc**.

Sym

Symbol/Numeric Mode: activates the number, symbol, and emoticon keys.

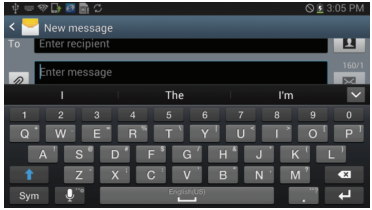
ABC

ABC Mode: activates the default alphabet keys. Can also be set to **Abc** or **abc** by using the shift (⬆) key.

Note: When in **Abc** mode, the **Sym** button displays. When in **Sym** mode, the **Abc**/**ABC**/**abc** button displays.

Using ABC Mode

1. If desired, rotate your phone counterclockwise to a Landscape orientation.
2. When you tap the **Enter message** field, the following screen displays:

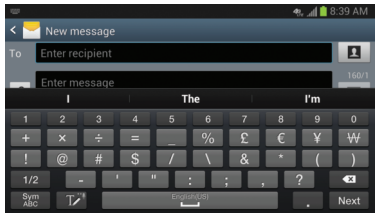


3. Tap the desired alphabetic characters.
4. The screen initially opens in ABC mode. After typing the first letter, the shift key (⬆) will change to ⬆ and following letters will be lowercase.
5. Tap ⬆ to input another upper-case letter or tap ⬆ twice to switch to ABC mode. The shift key will change to ⬆ in ABC mode. All following letters will be uppercase until you tap the shift key again.

Using Symbol/Numeric Mode

Use Symbol/Numeric Mode to add numbers, symbols, or emoticons.

1. Rotate your phone counterclockwise to a Landscape orientation.
2. Tap Sym at the bottom of the screen. The following screen displays:

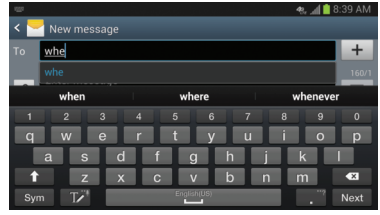


3. Tap the desired number, symbol, or emoticon characters.
4. Tap the 1/2 button to access additional symbols.
5. Tap Sym ABC to return to Abc mode.

Predictive Text

By using the Predictive Text option, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard.

1. To turn Predictive Text on or off, tap → **Settings** → **Language and input**.
2. Tap the icon next to **Samsung keyboard**.
3. Tap the ON/OFF slider, located to the right of the **Predictive text** field, to ON.
4. In the text portion of the message screen, begin typing a word. A list of word options displays. Tap one of the words to replace the word that has already been typed or scroll the line of words to the left for more word choices.



5. Continue typing your message. Tap to send the message or press for more options. For more information, refer to *"Creating and Sending Messages"* on page 100.

Note: You can also use Predictive Text mode in the portrait orientation.

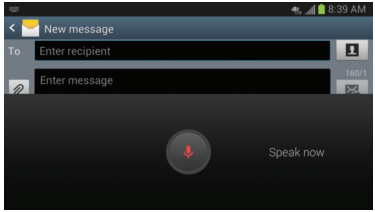
Samsung Keyboard Settings

For information on how you can configure your Samsung keyboard settings, see *"Configuring Samsung Keyboard Settings"* on page 185.

Using the Google Voice Typing Feature

You can use your voice to enter text using the Google Voice typing feature.

1. From the keypad, touch the top of the screen and drag it down to display your notification panel.
2. Tap **Choose input method**.
3. Tap **Google voice typing**.



4. At the **Listening** prompt, speak clearly and distinctly into the microphone.
5. The text displays in the message as you are speaking.
6. Tap **Done** when you are finished.

Note: The feature works best when you break your message down into smaller segments.

Entering Text Using Swype

Swype™ is a text input method that allows you to enter a word by sliding your finger or stylus from letter to letter, lifting your finger between words. Swype uses error

correcting algorithms and a language model to predict the next word. Swype also includes a tapping predictive text system.

The following example shows how to enter the word “This”. Put your finger down on the “T”, and without lifting, glide it to the “h”, then to the “i” then over to the “s”.

Enabling and Configuring Swype

The Samsung keyboard is the default text input method, so to use Swype, you must first change the default keyboard setting.

To enable Swype:

1. From the keypad, touch the top of the screen and drag it down to display your notification panel.
2. Tap **Choose input method**.
3. Tap the **Swype** radio button.

   The Swype keyboard displays.

Swype Settings

For information on how you can configure your Swype settings, see *“Configuring Swype Settings”* on page 186.

Swype Text Entry Tips

You can access the SwypeTips application and watch a video or tutorial on using Swype. You can also use the following Swype text entry tips.

- Create a squiggle (like an S shape) to create a double letter (such as pp in apple).
- Touch and hold a key to view the punctuation menu then make a selection.
- Move your finger or stylus over the apostrophe to enter contractions.
- Double-tap on the word you want to change to correct a misspelled word, then tap the delete key to erase one character. Touch and hold the delete key to erase an entire word.

Section 5: Accounts and Contacts

Accounts

Your phone provides the ability to synchronize information, from a variety of accounts, including Email, Facebook, Google, and your Samsung account. Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Contacts from your accounts display in your phone's Contacts.

With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts.

Controlling Synchronization

You can choose to have your phone automatically synchronize with your accounts, or manually synchronize each account when you want to check messages.

You may also choose to limit automatic or background synchronization to extend battery life.

1. From the Home screen, tap ➔ **Settings**.
2. Touch an account to synchronize.
3. Tap **Sync now** or tap **Sync contacts**.

Setting Up Your Accounts

You can add an account then manage it using these procedures.

For information about setting up other, non-synchronized email accounts, see *"Creating Additional Email Accounts"* on page 108.

Tip: For more information on setting up your email, contact your Wireless Provider.

Adding an account

1. From the Home screen, tap ➔ **Settings**.
2. Tap **Add account**.
3. Select an account provider, then follow the prompts to enter your credentials and sign in.
4. The phone communicates with the provider's server to set up your account on the phone.

Managing accounts

1. From the Home screen, tap ➔ **Settings**.
2. From the Accounts section, select an account, then touch a setting to enable or disable synchronization. A check mark displays to indicate activation.

Contacts

To access Contacts

- From the Home screen, touch **Contacts**.

Contact tips:

- Swipe your finger left-to-right across a contact to make a call to the contact.
- Swipe right-to-left across a contact to create a message addressed to the contact.

Adding Contacts

1. From the Home screen, touch **Contacts** ➔ **Add contact**.
   - If you have defined accounts (Google, Samsung, and so on), the Save contact to pop-up displays:
   - If you have not defined any accounts, the **Save contact** pop-up displays. The following options are available:
     – **Add new account**: Lets you define an account to which your device saves your contacts. The **Add new account** screen displays. (For more information, refer to *"Setting Up Your Accounts"* on page 69.)
2. At the **Add an account** prompt, select a save option for the contact (available options depend on accounts you define to your device):
   - **Samsung account**: Save to your Samsung account.
   - **Microsoft Exchange ActiveSync**: Save to your Corporate account.
   - **Google**: Save to your Google account.
3. Touch contact fields to enter information:
   - Touch **Photo ID** to choose a picture to identify the contact.
   - Touch **Name** to enter a name for the contact. Touch to enter **Name prefix**, **First name**, **Middle name**, **Last name,** or **Name suffix**.
   - Touch **Phone number** to enter a phone number, then touch the **Label** button to choose a label, from **Mobile**, **Home**, **Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Custom**., or **Callback**. Touch to add another number.

- Touch **Email address** to enter an email address, then touch the **Label** button to choose a label, from **Home**, **Work**, **Other**, or **Custom** to create a new label. To add an address, touch .
- Touch **Address** to enter an email address, then touch the **Label** button to choose a label, from **Home**, **Work**, **Other**, or **Custom** to create a new label. To add an address, touch .
- Touch next to **Events** to enter a special date, then touch the **Label** button to choose a label, from **Birthday**, **Anniversary**, **Other**, or **Custom** to create a new label.
- Touch **Groups** to assign the contact to a group. For more information about Groups, see *"Groups"* on page 75.
- Touch **Ringtone** to choose a ringtone for the contact.
- Touch **Vibration pattern** to choose a vibration pattern to play along with the ringtone when this contact calls or sends you a message.
- Touch **Add another field** to add more fields, including **Phonetic Name**, **Organization**, **IM**, **Notes**, **Nickname**, **Website**, or **Relationship**.

4. When you finish entering information, touch **Save**.

Creating Contacts from Recent calls

Save a phone number from a recent call to create a new contact, or update an existing contact.

1. From the Home screen, touch **Phone**.
2. Touch the **Recent** tab.
3. Touch a number that is not already saved to Contacts.
4. Tap **Create contact**.
5. Enter the remaining contact information, then tap **Save**.

Creating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Touch **Add to Contacts**, then select **Create contact** from the pop-up menu.
4. Continue entering contact information. For more information, see *"Adding Contacts"* on page 70.

Tip: While entering a phone number, you can add waits or pauses. Enter the number up to the pause or wait, then touch **Menu** to select **Add 2 sec pause** or **Add wait**.

Updating Contacts

Make changes to update an existing contact.

1. From the Home screen, touch **Contacts**.
2. Touch a contact to view its information, then touch **Edit**.

   – or –

   Touch and hold a contact, then select **Edit** from the menu.
3. Continue entering contact information. For more information, see *"Adding Contacts"* on page 70.

Updating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Touch **Add to Contacts**, then select **Update existing** from the pop-up menu.
4. Select a contact to update, then continue entering contact information. For more information, see *"Adding Contacts"* on page 70.

Updating Contacts from Recent calls

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, see *"Updating Contacts"* on page 72.

Choosing Contacts to Display

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Contacts to display**:
   - Choose **All contacts** to show all contacts.
   - Touch **Phone** to show only show contacts saved to the phone.
   - Choose an account to only display contacts from that account.
   - Choose **Customized list** to select contact types for each account, or the phone.

Contacts Settings

1. From the Home screen, touch **Contacts**.
2. Tap → **Settings**:
   - **Only contacts with phones**: to display contacts with at least one stored phone number.
   - **List by**: to sort contacts by first or last name.
   - **Display contacts by**: to list contacts by first or last name.
   - **Contact sharing settings**: configures file transfer parameters.

Other Contacts Options

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display it, then touch **Menu**:
   - **History**: View calls and messages to and from this contact.
   - **Edit**: Modify contact information. For more information, see *"Updating Contacts"* on page 72.
   - **Delete**: Erase the contact record.
   - **Join contact/Separate contact**: Manage multiple contacts as one. For information, see *"Joining Contacts"* on page 73.
   - **Mark as default**: Set a default phone number or other field (such as IM or email address). Defaults are the contact method used when creating a message or calling a contact. You can also set a default by touching and holding on a contact field.
   - **Share namecard via**: Send the namecard. For information, see *"Sending Namecards (vCards)"* on page 74.
   - **Add to reject list**: Mark the contact so that calls or messages from the contact are rejected automatically. To remove a contact form the reject list, touch and hold on the contact in the main contacts screen, then choose **Remove from reject list**.
   - **Print contact info**: Prints the contact information to a Samsung Bluetooth-enabled printer.
   - **Add shortcut to Home**: Places a shortcut to this contact on the Home screen.

Joining Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate, and other providers, plus social networking sites like Facebook. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.

Joining contact records allows you to see all the contact's numbers and addresses together. Joining also helps you keep your contacts updated, because any changes to information in the respective accounts is automatically updated the next time you synchronize with the account.

Joining contacts

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Touch **Menu**, then touch **Join contact**. A list of available contacts displays.
4. Select a contact to join to the displayed contact. The joined contact displays.

5. To join another contact, touch the **Connection** field. The Joined contact screen displays.

   Touch **Join another contact**. A list of available contacts displays.

   Select a contact to join to the displayed contact. The joined contact displays.

Separating contacts

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Touch the **Connection** field to display joined contacts.
4. Touch the links icon, then touch to the right of a contact to remove it from the selected joined contact.

Exporting and Importing Contacts

You can export your contact list to an installed memory card, or import a list of contacts (previously exported) from a memory card.

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Import/Export**.
3. Select an option, then follow the prompts to complete the operation:
   - **Import from USB storage**: Copy contacts that are saved in installed mass storage.
   - **Export to USB storage**: Copy contacts to installed mass storage.
   - **Share namecard via**: Share contacts as vCards. For more information, see *"Sending Namecards (vCards)"* on page 74.

Sending Namecards (vCards)

You can send a contact namecard as a vCards via Bluetooth to other Bluetooth devices, or as an attachment via Gmail or Email.

Important! Not all Bluetooth devices accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Import/Export** → **Share namecard via**.
3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. A check mark displays for marked contacts.

4. Touch **Done**. At the prompt, choose a sending method, then follow the prompts to send the namecard:
   - **Bluetooth**: For more information about sending via Bluetooth, see *"Sending Contacts via Bluetooth"* on page 127.
   - **ChatON**: Sends the namecard using ChatON. For additional ChatON information, visit: https://web.samsungchaton.com.
   - **Dropbox**: For more information about sending via Dropbox, see *"Dropbox"* on page 189.
   - **Email**: For more information about sending email, see *"Using Email"* on page 107.
   - **Gmail**: For more information about sending Gmail, see *"Creating a Gmail Message"* on page 109.
   - **Messaging**: For more information about sending messages, see *"Creating and Sending Messages"* on page 100.
   - **Wi-Fi Direct**: For more information about using Wi-Fi Direct, see *"Wi-Fi Direct"* on page 123.

Favorites

Mark contacts with a star to identify them as Favorites.

Favorites display on the **Favorites** tab in the **Phone** and **Contacts** screens for fast dialing or messaging, and are indicated by the .

Creating Favorites

1. From the Home screen, touch **Contacts**.
2. Touch and hold on a contact, then select **Add to favorites** from the pop-up menu.

   – or –

   Touch a contact to display it, then touch at the top right of the screen, it changes color to .

Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members. Your phone comes with pre-loaded groups you can use to add your contacts.

Adding a New Group

1. From the Home screen, touch **Contacts** → **Groups**.
2. Touch **Menu** → **Create**, then enter information:
   - Touch **Group name** to enter a Group Name.
   - Touch **Group ringtone** to choose a ringtone for calls from members of this group.
   - Touch **Vibration pattern** to choose a vibration to play for calls from members of this group.
   - Touch **Add member** to select members from Contacts.
3. Touch **Save** to save the new group.

Editing a Group

1. From the Home screen, touch **Contacts** → **Groups**.
2. Touch a Group to display it.
3. Touch **Menu** → **Edit**, then update information for the group. For more information, see *"Adding a New Group"* on page 76.

Deleting a Group

You must remove all the members of a group before you can remove the group.

1. From the Home screen, touch **Contacts** → **Groups**.
2. Touch **Menu** → **Delete groups**.
3. Touch a Group to mark it for deletion, or touch **Select all** to mark all groups. A check mark displays to indicate selection. You cannot delete pre-loaded groups.
4. Touch **Delete**, then choose **Group only** or **Group and group members**.

Adding Contacts to a Group

1. From the Home screen, touch **Contacts** → **Groups**.
2. Touch a Group to display it, then touch .
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. A check mark displays to indicate selection.
4. Touch **Done** to add the selected contact(s).

Removing Contacts from a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a Group to display it.
3. Touch **Menu** ➔ **Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. A check mark displays to indicate selection.
5. Touch **Done** to remove the selected contact(s).

Sending a Message to Group Members

Create a new text or email message, addressed to the group's members.

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch and hold a Group, then touch **Send message** or **Send email**.
3. Touch contacts to mark them for the new message, then touch **Done**.
4. The new message opens, with recipients marked recipients marked. Create the message. For more information, see *"Creating and Sending Messages"* on page 100.

Speed Dials

Speed dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts.

For more information about using speed dials to call, see *"Making a Call Using Speed Dial"* on page 50.

Note: Some speed dials are reserved and cannot be assigned:
Speed dial 1 is reserved for Voicemail.
Speed dial 100 is reserved for Directory Assistance.

Assigning Speed Dials

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Speed dial setting**.
3. A list of speed dials displays.Touch a speed dial, then touch a contact to assign the speed dial to the contact.

Removing or Reassigning a Speed Dial

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Speed dial setting**.
3. Touch and hold an assigned Speed dial setting, the following options pop-up:
   - **Replace**: Touch a new speed dial location to assign it to the contact.
   - **Remove**: Unassign the speed dial from the contact.

Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including Media Hub, Music Player, Google Play Music, Video Player, Play Movies, Gallery, Camera, and Camcorder.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining yourself or your kids on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

Note: Media Hub usage is based on service availability.

Using Media Hub

1. From the Home screen, tap ➔ **Settings** ➔ **Security** ➔ **Unknown sources** to allow the Samsung app to run.
2. Tap **OK** at the warning prompt.
3. Tap **Home** ➔ ➔**Media Hub** .
4. Read the roaming network pop-up then touch **Don't show this message again** if you don't want this message to display again, then tap **Connect**.
5. Read the Terms and Conditions, then tap **I agree to the Terms and Conditions** and tap **Accept** to continue or **Decline** to exit.

   The Media Hub screen displays. **What's New** displays with recently added media that you can rent or purchase.
6. The following tabs display at the top of the screen:
   - **Home**: displays the Media Hub main screen.
   - **Movies**: displays movies that are available for rent or purchase. Scroll through the top navigation bar and select a movie category. The movies of that type displays below.
   - **TV Shows**: displays TV shows that are available for purchase. Scroll through the top navigation bar and select a TV category. The TV shows of that type displays below.
   - **My Media**: allows you to view all of the media that you have purchased or rented. Tap a media entry to view it.

7. Scroll through the media listings and tap on an item you would like to purchase or rent.
8. At the Details screen, follow the on-screen instructions to create a Samsung account and make a purchase.
9. The media is stored in the My Media folder.

Media Hub Notices

- Any media item (Media Content) may be rented or purchased after you create an account in Media Hub.
- Media Content that is downloaded may be viewed concurrently on up to five (5) devices with Media Hub that are also registered to the same account.
- You may choose to remove a device from your account no more than once every 90 days.
- You may remove Media Content from a device as many times as you'd like. You will have the ability to re-download the Media Content at a later point in time subject to content re-download availability and studio permissions.
- You MUST be in network coverage to license Media Content you have acquired through the Service.
- You can use 3G, 4G, or Wi-Fi connectivity in order to download Media Content.
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account.
- Media Content is downloaded and saved onto the SD card.
- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching rented Media Content within 24 consecutive hours of the start of playback.
    - Stopping, pausing or restarting rented Media Content does not extend the available viewing time.
    - In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (e.g., if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).

- You cannot play any media content downloaded from Media Hub through any output on your mobile phone, including All Share.

Music Hub

The Music Hub application lets you upload your music collection to the cloud, stream and purchase songs from an extensive catalog, and listen to personal radio.

Note: You must create an account before accessing some of the Music Hub options.

1. Sign on to your Samsung account. For more information, refer to *"Creating a Samsung Account"* on page 11.
2. From the Home screen, tap ➔ **Music Hub** .
3. Tap **Create new account** or **Sign in**.
4. Read the introduction material and tap **Continue** to continue. Tap **Music Hub Video** to watch a helpful video about Music Hub.

Music Player

The Music Player is an application that can play music files. The Music Player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB display).

Playing Music

1. Tap ➔ **Music Player** .
2. Tap a library category at the top of the screen (All, Playlists, Albums, Artists, Music square, or Folders) to view the available music files.
3. Scroll through the list of songs and tap an entry to begin playback.
4. The following Music Player controls are available:

Pause the song.

Start the song after pausing.

Press and hold to rewind the song. Tap to go to previous song.

Press and hold to fast-forward the song. Tap to go to next song.

 Volume control.

- Repeat one: repeats the currently playing song.
- Repeat all: replays the current list when the list ends.
- Play All: plays the current song list once.
- Shuffle On: the current list of songs are randomly shuffled for playback.
- Shuffle Off: songs play in order and are not shuffled.
- Provides access to the Music square.
- Lists the current playlist songs.
- Displays the current song in the player window.
- Provides access to the SoundAlive feature.

Music Player Options

While music is playing you an access the following options:

1. While in the Music Player, press .
2. The follow options are available:
   - **Add to quick list**: adds the current music file to the playlist.
   - **Via Bluetooth**: scans for devices and pairs with a Bluetooth headset.
   - **Share via**: allows you to share your music by using Bluetooth, Dropbox, Email, Gmail, Group Cast, Messaging, or Wi-Fi Direct.
   - **Add to playlist:** allows you to add the current music file to a selected playlist.
   - **Details**: allows you to view media info such as Artist, Title, Biography, and other information.
   - **Set as:** allows you to set a music file to Phone ringtone, Caller ringtone, or Alarm tone.
   - **Scan for nearby devices**: allows you to look for DLNA-compliant devices used to control streaming media.
   - **Settings**: allows you to change your Music Player settings. For more information, refer to *"Music Player Settings"* on page 83.

Music Player Settings

The Music Player Settings menu allows you to set preferences for the Music Player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From the Home screen, tap → **Music Player**.
2. Press → **Settings**.
3. Select one of the following settings:
   - **SoundAlive**: set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, etc.
   - **Play speed**: set the play speed anywhere between 0.5X and 2.0X using the slider.
   - **Music menu**: this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.
   - **Lyrics**: when activated, the lyrics of the song display if available.
   - **Music auto off**: when activated, music will automatically turn off after a set interval.

Using Playlists

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. You can create these playlists either from the handset's Music Player options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. From the Home screen, tap → **Music Player**.
2. Tap the **Playlists** tab.
3. Press → **Create playlist**.
4. Type a name for this playlist in the field and tap **OK**.

Adding Music to a Playlist

To add files to the playlist:

1. From the Home screen, tap → **Music Player**.
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to add music.
4. Tap → **Add**.
5. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Done**.

Removing Music from a Playlist

To remove music files from a playlist:

1. From the Home screen, tap ➔ **Music Player** .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to delete music.
4. Press ➔ **Remove**.
5. Tap the checkbox to the left of each track you want to remove from this playlist, or tap **Select all** to remove all the music tracks from this playlist, then tap **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also rename the playlist.

To edit a playlist:

1. From the Home screen, tap ➔ **Music Player** .
2. Tap **Playlists**.
3. Press ➔ **Edit title**.
4. Tap a playlist name to edit.
5. Enter a new name for the playlist then tap **OK**.

For information on downloading music for your phone, see *"Google Play Music"* on page 84.

Google Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC.

1. From the Home screen, tap ➔ **Play Music** .
2. At the Welcome screen, tap **Next**.
3. At the **Select an account** screen, tap an account that you would like to link to Google Play Music or tap **Add Account**.
4. At the **Get free music** screen, tap **Get free songs** or **Skip**.
5. Follow the on-screen instructions for getting your free music.

   All music on your device and external SD card displays including Music folders that may contain multiple songs.
6. Tap a song to start playback.
7. From the main Play Music screen, you can tap any of the following tabs for a more detailed listing of songs: Recent, Artists, Albums, Songs, Playlists, and Genres.
8. Tap for the following options:

- **Shuffle all**: allows you to play all of your music in a shuffled order.
- **Choose on-device music**: allows you to select music that is stored on the devices internal memory.
- **Settings**: allows you to view Open source licenses and the music version for the Play Music application.
- **Help**: allows you to view a help file on the Google Support website.

Video Player

The Video Player application plays video files stored on your microSD card.

1. Tap ➔ **Video Player** .
2. All videos that you have on your phone and memory card displays. Tap the video that you want to play.
3. The video will begin to play.
4. The following video controls are available:

Pause the video.

Start the video after being paused.

Press and hold to rewind the video. Tap to go to previous video.

Press and hold to fast-forward the video. Tap to go to next video.

Volume control.

PIP (Picture In Picture) view. The video will be played in a small window so you can use your phone for other purposes while watching the video. Double-tap screen to return to previous size.

Original size view. The video will be played in its original size.

Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.

Full-screen view. The entire screen is used, which may cause some minor distortion.

Note: The screen view icons are a three-way toggle. The icon that displays, is the mode that displays after tapping the icon.

For more information on downloading videos for your phone, see *"Media Hub"* on page 79.

Pop-up Video

This feature can be used during playback of supported video types using either the Gallery, Play Videos, or Video player.

Note: Some applications (ex: Camera/Camcorder screen) might not allow this video to remain active in the foreground.

This feature allows you to continue to view your video as a background operation while you multi-task and do other things, such as surf the Internet, access your Contacts list, or look for a picture.

1. From any Home screen, tap and tap the desired video playback application.
2. Tap the video to play.

Note: Pop-up video only works when you are using the Video player application. Other video players do not support this feature.

3. While the video is playing, tap from the bottom-right of the screen. The current video is sent to the front of the any new page and most application screens.

   The video disappears when it ends.

DivX Overview

This device is able to playback DivX videos. DivX Certified® to play DivX® video up to HD 720p, including premium content. If you try to play DivX VOD content not authorized for your device, the message “Authorization Error” will be displayed and your content will not play. Learn more at www.divx.com/vod.

You must first register to playback protected or purchased DivX content. DRM-free or unprotected content does not required DivX VOD registration.

Locating Your VOD Registration Number

1. From any Home screen, tap ➔ **Settings** > **About device** ➔ **Legal information** ➔ **License settings** ➔ **DivX VOD** ➔ **Register**.
2. Write down your registration code.
3. Tap OK.

Register Your DivX Device for VOD Playback of Purchased Movies

To play purchased DivX movies on your device, complete a one-time registration using both your device and your computer.

1. Write down the DivX registration code that displays on-screen. Copy this 8 or 10-digit number down.
2. Verify you have the latest DivX software running on your computer. Download the free player (for your computer) from www.divx.com.
3. Open the DivX Player on your computer and from within the VOD menu, select Register a DivX Certified Device.
4. You are prompted to log in or create a DivX account if your account information has not already been saved in DivX Player.
5. Follow the instructions in DivX Player to enter the registration code from step 2 and create a device nickname (ex: “Aaron or Aaron’s Device”).
6. Select a location on your computer to download the DivX registration video with the same title as your device nickname (ex: Pat.divx).
7. Follow the on-screen instructions to download the file and initiate the transfer process. You will need to place this video file onto your device and play it back.
8. Connect your device to the computer via USB and transfer this video.
9. From the Registration screen (Transfer), click Transfer Video now and select the location of the microSD card or USB (the device) as the target destination for the registration video (created in step 6) and click Start.
   – or –
10. Locate the created file, copy and paste it into the new drive letter corresponding to your device’s storage location.
11. From the Home screen, tap ➔ **My Files** .
12. Locate your registration DivX video file and tap the file to play it. Once you play the registration file on your device, your registration is complete.

13. Return to the DivX VOD Manager screen (from within your computer's DivX Player) and confirm both your computer and your new device appears in the list of registered DivX devices.

Play Movies & TV

With Google Play Movies, you can rent thousands of different movies. You can watch instantly, or download your movie for offline viewing at a later time.

1. From the Home screen, tap → **Play Movies & TV**.
2. Log on to your Google account if you have not already done so.
3. Following the on-screen instructions for renting and viewing movies.
4. Tap the **MY RENTALS** tab to view movies you have rented.
5. Tap the **PERSONAL VIDEOS** tab to view movies you have on your phone or memory card.
6. Press for additional options.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

1. Tap → **Gallery**.
   All of the Albums that hold your pictures and videos display with folder name and number of files.
2. Tap an Album and thumbnails of the contents displays.

Note: If your device displays that the memory is full when you access Gallery, delete some of the files by using **My files** or other file management applications and try again. For more information, refer to *"My Files"* on page 149.

Viewing Pictures

1. Tap a thumbnail to view the picture.

Note: If no control icons display on the screen in addition to the picture, tap anywhere on the screen to display them.

2. The following options are available at the top of the screen:
   - **Camera**: Displays the camera viewfinder so you an take a picture or set preferences.
   - **Share via** : allows you to share the picture via Bluetooth, ChatON, Dropbox, Email, Flipboard, or Gmail.
   - **Delete** : allows you to delete the picture.
3. Press for additional options.

Viewing Videos

Note: If no control icons display on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap to play the video.
3. Press for additional options.

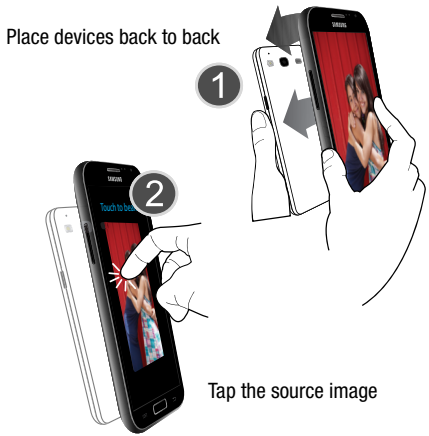
For video player controls, see *"Video Player"* on page 85.

Using S Beam to Share Pictures

This feature (when activated using NFC) allows you to beam large files directly to another compatible device that is in direct contact. These files can be larger, such as Videos, HD pictures, and other large files.You can beam images and videos from your gallery, music files from your music player, and more.

1. From the Home screen, tap → **Settings** → **More settings** → **NFC**.
2. If not already active, in a single motion touch and slide the **NFC** slider to the right to turn it on ON.
3. Tap **S Beam** and make sure the feature is turned on.
4. If not already active, in a single motion touch and slide the **S Beam** slider to the right to turn it on ON.
5. On the source device (containing the desired image or video), tap → **Gallery** .
6. Locate and tap the selected image to open it in the preview window.

Important! Neither device must be in Lock mode or displaying the Lock screen. They must both be active and unlocked. It is recommended that the target device be on the Home screen.



7. Place the two active NFC-enabled devices back-to-back (1).

Note: If the **Touch to beam** screen does not display on the source device:
- Pull them apart
- Verify the image is visible in the preview window on the source device (providing the file)
- Place them together again

8. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer (2).
9. When prompted, separate the two devices. After a few seconds (depending on file size) the recipient sees the transferred file displayed on their screen.

To share multiple pictures via S Beam:

1. On the source device (containing the desired image or video), tap → **Gallery**.
2. Locate the selected folder.
3. Touch and hold the first image and all desired images. A check mark displays to indicate selection.
4. Place the two active NFC-enabled devices back-to-back to begin.

5. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer.

   When prompted, separate the two devices.

Camera

This section explains how to use the camera on your phone. You can take photographs and shoot video by using the built-in camera functionality. Your 8 megapixel camera produces photos in JPEG format.

Important! Do not take photos of people without their permission.

Do not take photos in places where cameras are not allowed.

Do not take photos in places where you may interfere with another person's privacy.

Using the Camera

Taking Photos

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

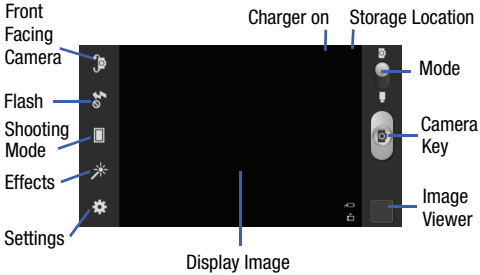
Note: When taking a photo in direct sunlight or in bright conditions, shadows may display on the photo.

1. From the main Home screen, tap → **Camera** to activate the camera mode.
2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
3. Before you take a picture, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).

   – or –

   Pinch the screen to zoom out or pinch outwards to zoom in.
4. If desired, before taking the photo, you can tap on-screen icons to access various camera options and settings.

5. You can also tap the screen to move the focus to the area you touch.
6. Press the Camera key until the shutter sounds. (The picture is automatically stored to your designated storage location. If no microSD is installed, all pictures are stored on the Phone.) For more information, refer to *"Camera Options"* on page 92.



7. Press to return to the viewfinder.

Camera Options

Options are represented by icons across both sides of the screen.

Camera / Camcorder Mode: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator displays at the top left of the display. Slide the button up for Camera, or down for Camcorder.

Self-portrait: allows you to activate the front facing camera so you can take pictures of yourself or video chat.

Flash: allows you to set the flash options to Off, On, or Auto flash.

Shooting mode: allows you to set the shooting mode to one of the following:

- **Single shot**: takes a single photo and view it before returning to the shooting mode.
- **Best photo**: takes 8 photographs in quick succession and allows you to select and save the best.
- **Best face**: takes 5 photographs in quick succession and selects the best photograph based on open eyes, smiles, sudden movement, and more.
- **Face detection**: double tap on a face to zoom in or out.
- **Panorama**: takes a landscape photo by taking an initial photo and then adding additional images to itself. The guide box lets you view the area where the second part of the panoramic picture should display.
- **Share shot**: uses Wi-Fi Direct to share your pictures quickly with your friends.
- **HDR**: takes pictures in HDR (High Dynamic Range) mode to increase image detail.
- **Buddy photo share**: uses face recognition from pictures in your contacts to send your friends or family pictures of themselves.
- **Beauty**: adjusts the contrast to smooth facial features.
- **Smile shot**: the camera focuses on the face of your subject. Once the camera detects the person's smile, it takes the picture.
- **Low light**: allows you to take better pictures when the light is low.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Cold vintage, Warm vintage, Posterize, Solarize, Green point, Blue point, Red-yellow point, Washed out, Cartoonify, Black and white, Sepia, or Negative.

Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most.

Burst shot: the camera shoots 30 shots per second.

Self-portrait: allows you to set the front camera so you can take pictures of yourself.

Flash: allows you to set the flash options to Off, On, or Auto flash.

Shooting mode: allows you to set the shooting mode.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Cold vintage, Warm vintage, Posterize, Solarize, Green point, Blue point, Red-yellow point, Washed out, Cartoonify, Black and white, Sepia, or Negative.

Scene mode: allows you to set the Scene to help take the best pictures possible. Options include None, Portrait, Landscape, Sports, Party/Indoor, Beach/Snow, Sunset, Dawn, Autumn Color, Text, and Candlelight.

Exposure value: allows you to adjust the brightness level by moving the slider.

Focus mode: allows you to set this option to Auto focus or Macro. Use Macro mode to take close-up pictures.

Timer: allows you to set a timer for how long to wait before taking a picture. Options include: Off, 2 sec, 5 sec, and 10 sec.

Resolution: allows you to set the image size to either: 8M (3264x2448), 6M (3264x1836), 3.2M 3.2M (2048x1536), W2.4M (2048x1152), W0.9M (1280x720), 0.3M (640x480).

White balance: allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

ISO: ISO determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.

Metering: allows you to set how the camera measures or meters the light source: Centre-weighted, Spot, or Matrix.

Outdoor visibility: allows you to maximize your photos taken while outdoors.

Auto contrast: provides a clear image even under backlight circumstances where intensity of illumination can vary excessively.

Guidelines: allows you to turn the guidelines On or Off.

Auto share shot: allows you to easily connect to the devices you want to share pictures with and then bring the devices back together (back to back) to connect them.

Anti-Shake: reduces image blur due to the movement of the subject of the photo or hand movement.

Contextual filename: adds your location as part of the filename. You must activate GPS tag first.

Save as flipped: this option allows you to take and save a mirror-image photo.

Image quality: you to set the image quality to: Superfine, Fine, or Normal.

Storage: allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camera or camcorder settings to the default values.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected picture. Image viewer options are described in the following section. The last picture you took, displays as a thumbnail in the Image viewer icon.

Viewing your Pictures

After you take a photo, you can access various options from the Image Viewer. The Image Viewer uses your Gallery. For more information, refer to *"Gallery"* on page 88.

Using the Camcorder

In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send videos.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the main Home screen, tap **Camera** to activate the camera mode.
2. Touch and drag the Camera mode button down to Camcorder Mode.
3. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
4. Before you take a video, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the video up to x4 (400 percent).

   – or –

   Pinch the screen to zoom out or pinch outwards to zoom in.
5. Tap the Video key to begin shooting video. The red light blinks when recording.
6. Tap the screen to move the focus to the area you touch.
7. Tap to turn on auto focus. This automatically focuses on the middle of the screen.
8. Tap to capture an image from the video while recording. This feature is not available when the anti-shake feature is activated.
9. Tap the Video key again to stop the recording and save the video file to your Camera folder.
10. Once the file is saved, tap the image viewer, then tap to play your video.
11. Press to return to the viewer.

Camcorder Options

Options are represented by icons across both sides of the screen.

Camera / Camcorder Mode: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator displays at the top left of the display. Slide the button up for Camera, or down for Camcorder.

Live Shooting: takes a photo during a video recording session in Camcorder mode. You can view the photo in your image viewer or Gallery.

Self portrait: allows you to activate the front facing camera so you can take videos of yourself or video chat.

Flash: allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

Recording mode: allows you to set the recording mode to: Normal, which is limited only by available space on the destination location and to Limit for MMS, which is limited by MMS size restrictions, Slow motion, or Fast motion.

Effects: allows you to change the color tone or apply special effects to the video. Options include: No effect, Cold vintage, Warm vintage, Posterize, Solarize, Green point, Blue point, Red-yellow point, Washed out, or Cartoonify.

Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most.

Self-recording: allows you to set the front camera so you can take videos of yourself or video chat.

Flash: allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

Recording mode: allows you to set the recording mode to: Normal, which is limited only by available space on the destination location or Limit for MMS, which is limited by MMS size restrictions, Slow motion, or Fast motion.

Effects: allows you to change the color tone or apply special effects to the video. Options include: No effect, Cold vintage, Warm vintage, Posterize, Solarize, Green point, Blue point, Red-yellow point, Washed out, or Cartoonify.

Exposure value: allows you to adjust the brightness level by moving the slider.

Timer: allows you to set a timer for how long to wait before taking a video. Options include: Off, 2 sec, 5 sec, and 10 sec.

Resolution: allows you to set the image size to either: 1920x1080, 1280x720, 720x480, 640x480, or 320x240.

White balance: allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

Outdoor visibility: allows you to maximize your videos taken outdoors.

Guidelines: allows you to turn the guidelines On or Off.

Anti-Shake: reduces image blur due to the movement of the subject of the video or hand movement.

GPS tag: allows you to turn GPS On or Off (also known as Geotagging). The location of where the picture is taken is attached to the picture. (Only available in Camera mode.) Before you can use the GPS tag (Geotagging), from the Home screen tap **Settings** → **Location services** and tap Use GPS satellites to create a checkmark.

Contextual filename: adds your location as part of the filename. You must activate GPS tag for this feature.

Save as flipped: this option allows you to take and save a mirror-image photo.

Video quality: allows you to set the image quality to: Superfine, Fine, or Normal.

Storage: allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camera or camcorder settings to the default values.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected video. Image viewer options are described in the following section. The last video you took, displays as a thumbnail in the Image viewer icon.

Viewing your Videos

After you take a video, you can access various options from the Image Viewer. The Image Viewer uses your Gallery and the Video Player. For more information, refer to *"Gallery"* on page 88. Also, see *"Video Player"* on page 85.

Section 7: Messaging

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging.

Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages
- Email and Gmail Messages
- Google Talk
- Messenger Messages
- ChatON
- Google+

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important! When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

Messaging icons display at the top of the screen and indicate when messages are received and their type. For more information, refer to *"Indicator Icons"* on page 25.

Creating and Sending Messages

1. From the main Home screen, tap **Messaging** ➔ **Compose**.

Note: The main Home screen initially contains the **Messaging** icon. If you delete it, or if you want to access Messaging from another Home screen, you must tap **Apps** ➔ **Messaging**.

2. Tap on the **Enter recipient** field to manually enter a recipient or tap to select a recipient from your Contacts.
3. If adding a recipient from your Contacts, tap the contact then tap **Done**. A checkmark indicates selection.

   The contact displays in the recipient field.

Note: For the Group option, if the number of recipients is less than 10, all members in the group will be added. You will need to delete any unnecessary members in the list by selecting the trash can icon and deleting unwanted entries.

Note: Enter additional recipients by separating each entry with a semicolon (;) then using the previous procedure.

4. Tap the **Enter message** field and use the on-screen keypad to enter a message. For more information, refer to *"Entering Text"* on page 64.
5. Add more recipients by tapping the recipient field.
6. Review your message and tap **Send**.

Note: If you exit a message before you send it, it will be automatically saved as a draft.

Message Options

Options before composing a message

1. From the main Home screen, tap **Messaging**.
2. Before composing a message, press to reveal additional messaging options:
   - **Search**: allows you to search through all of your messages for a certain word or string of words. Enter a search string in the Messaging Search window and tap .
   - **Delete threads**: allows you to delete any message thread. Select the messages to delete. A checkmark indicates selection. Tap **Delete**.
   - **Draft messages**: displays a list of your draft messages.

- **Scheduled messages**: displays a list of your scheduled messages.
- **Locked messages**: displays a list of your locked messages.
- **Spam messages**: displays a list of received spam messages.
- **Settings**: allows you to access Messaging settings. For more information, refer to *"Messaging Settings"* on page 105.

Options while composing a message

1. While composing a message, press to reveal additional messaging options.
   - **Insert smiley**: allows you to add emoticons, such as a happy face to your message.
   - **Add text**: allows you to copy text from your contacts, calendar, or from a memo to add to your message. This is a convenient feature for adding names, phone numbers, events, etc. to your message. For more information, refer to *"Adding Additional Text"* on page 103.
   - **Add slide**: allows you to add a new page to a message.
   - **Add subject**: adds a subject to this message.
   - **Scheduled message**: schedules a date and time to send this message.
   - **Discard**: discards this message.

Adding attachments to a message

To add an attachment to your message, tap and select one of the following options:

- **Images:** attaches an image from the Gallery to this message.
- **Take Picture**: temporarily exists the message so you can take a picture to attach to this message.
- **Video**: allows you to choose an existing video from the Videos list, then add it to your message.
- **Capture video**: allows you to temporarily exit the message, record a video clip using the phone's camera, and then add it to your message by tapping **Save**.
- **Audio**: allows you to choose an existing audio file from the Audio list, then add it to your message by tapping the circle to the right of the audio so that it turns green, then tapping **Done**.
- **Record audio**: allows you to temporarily exit the message and record an audio clip using the phone's microphone, then attach it to the message.
- **S Note:** attaches an S Note to this message.
- **Calendar**: allows you to add an event from your calendar. Select the desired event and tap **Done**.

- **Location**: allows you to attach a thumbnail of a map showing your location.
- **Contacts**: allows you to tap on an existing Contact List entry, then add it to your message by tapping **Done**.

Adding Additional Text

You can copy text such as names, phone numbers, and events from your Contacts, Calendar or a Memo.

1. While composing a message, press → **Add text**.
2. At the Add text screen, select one of the following:
   - **S Note**: allows you to insert text from an existing S Note.
   - **Calendar**: allows you to add the name, date, and time of a calendar event to your message.
   - **Location**: allows you to add an address and the link to the location on Google Maps.
   - **Contacts**: allows you to add the name and phone number of any of your contacts to your message.
   - **Text templates**: allows you to add pre-defined phrases and sentences.

   The information is added to your message.

Viewing New Received Messages

1. When you receive a new message, the new message icon displays at the top of your screen.
2. Open the Notification Bar and select the message. For more information, refer to *"Notification Bar"* on page 44.

   – or –

   From the main Home screen, tap **Messaging** then tap the new message to view it.

   The selected message displays on the screen.
3. To play a multimedia message, tap .
   - To pause playback of the multimedia message, tap .
4. To scroll through the message (if additional text pages have been added), touch the screen and in a single motion, scroll up or down the page.

Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the top.

To open a threaded message follow these steps:

1. From the main Home screen, tap **Messaging** .
   Tap the message thread you want to view.
2. Touch and hold the message thread to display the following options:
   - **View contact**: displays the contact's information. This option only displays if the sender is in your Contacts list.
   - **Add to Contacts**: displays the Contacts information screen. This option only displays if the sender is not in your Contacts list.
   - **Delete thread**: displays a confirmation dialog box that when pressed, deletes the entire thread.

Deleting Messages

Deleting a single message thread

1. From the main Home screen, tap **Messaging** .
2. Touch and hold a message, then tap **Delete thread**.
3. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Deleting multiple message threads

1. From the main Home screen, tap **Messaging** .
2. Press → **Delete threads**.
3. Tap each message you want to delete. A checkmark displays beside each selected message.
4. Tap **Delete**.
5. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Message Search

You can search through your messages by using the Message Search feature.

1. From the main Home screen, tap **Messaging** .
2. Tap → **Search**.

3. Use the on-screen keypad to enter a word or phrase to search for, then tap .
4. All messages that contain the search string you entered display.

Messaging Settings

To configure the settings for text messages, multimedia messages, Voice mails, and Push messages.

1. From the main Home screen, tap **Messaging** → → **Settings**.
2. The following Messaging settings are available:

Display:

- **Bubble style**: allows you to choose from several bubble styles for your messages. Bubbles are the rounded boxes that surround each message.
- **Background style**: allows you to choose from several background styles for your messages.
- **Split view**: when in Landscape mode, allows you to view both the message list and the contents of the currently selected message.
- **Use the volume key**: allows you to change the text size by using the up or down volume keys.

General settings:

- **Delete old messages**: deletes old messages when the limit is reached, rather than having them overwritten.
- **Text message limit**: allows you to set a limit on how many text messages can be in one conversation.
- **Multimedia message limit**: allows you to set a limit on how many multimedia messages can be in one conversation.
- **Text templates**: allows you to edit or add new text templates to use in your messaging.

Text message (SMS) settings:

- **Delivery reports**: when this option is activated, the network
- **Auto combination**: informs you whether or not your message was delivered.

Multimedia message (MMS) settings:

- **Delivery reports**: requests a delivery report for each message sent.
- **Auto-retrieve**: allows the message system to retrieve messages automatically.
- **Roaming auto-retrieve**: allows the message system to automatically retrieve while roaming.

- **MMS alert**: alerts you when the messaging modes changes from an SMS (text) to MMS (multimedia) mode.

Notification settings:

- **Notifications**: allows you to see message notifications on your status bar.
- **Select ringtone**: allows you to set the ringtone for your message notifications.
- **Vibrate**: allows you to configure the vibration mode associated with message alerts. Choose from: Always, Only in silent mode, or Never.
- **Message alert repetition**: allows you to set the interval for new message alerts. Choose from: Once, Every 2 minutes, or Every 10 minutes.
- **Preview message**: when enabled, allows you to view a brief preview of new message text on the Status bar.

Emergency message settings:

- **Emergency alerts**: allows you to configure emergency alert settings. You can enable/disable those alert categories you wish to receive. Choose from: Imminent extreme alert, Imminent severe alert, and AMBER alerts.
- **Emergency notification preview**: allows you to play a sample emergency alert tone. Tap Stop to cancel the playback.
- **Vibrate**: allows you to configure the vibration mode associated with Emergency notifications.
- **Alert sound**: Plays sound for emergency alerts.
- **Alert reminder**: Activates an alert reminder Once, Every 2 minutes, Every 15 minutes, or Off.

Signature settings:

- **Add signature**: when enabled, this feature allows you to create a signature at the end of your outgoing text messages.
- **Signature text**: allows you to enter a signature for your message.

Spam message settings:

- **Spam settings**: allows you to configure available spam settings such as:
- **Register number as spam**: allows you to manually enter and assign a phone number as being sent from a spam source
- **Register phrase as spam**: allows you to assign a specific text phrase as belonging to a spam message.
- **Block unknown senders**: automatically blocks incoming messages from unknown sources or blocked numbers.

Using Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email.

Creating an Email Account

1. From the Home screen, tap ➔ **Email** .
   Your accounts screen displays with an Email setup screen displayed.
2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to enable the feature.
5. Tap **Next**.
6. At the **Account options** screen, tap the **Email check frequency** drop-down list box and select how often you would like your email to be checked.
7. Tap any of the other options you would like to enable.
8. Tap **Next**.
9. Enter a name for this email account (optional).
10. Tap **Done**.

Creating a Corporate Email Account

Use the following procedure to configure your phone to synchronize with a corporate email account.

1. From the Home screen, tap ➔ **Email** .
   Your accounts screen displays with an Email setup screen displayed.
2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is typed, tap **Show password**.
5. Tap **Manual setup**.
6. Tap the **Microsoft Exchange ActiveSync** field.
7. Enter all the Exchange server information, Domain, User name and Password, then tap **Next**.
8. At the **Activation** prompt, tap **OK**.
   The **Account options** screen displays.
9. Enter the desired information in the different fields, then tap **Next**.

10. Enter an Account name for this account (Optional) and tap **Done**.

    Wait for the Inbox to synchronize before use.

11. Press → **Settings** to change the account settings.

Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

1. From the Home screen, tap → **Email** .

   Your Email screen displays showing your emails from the active account.

2. Press → **Settings**.
3. Tap + to add another email account.
4. Enter the information required to set up another account. For more information, refer to *"Creating an Email Account"* on page 107.

Switching Between Email Accounts

1. From the Home screen, tap → **Email** .

   Your Email screen displays showing your emails from the active account.

2. Tap the Inbox button at the top of your screen that displays the optional name you assigned to your active email account, for example, Work, Gmail, etc.

   Your Email accounts screen displays.

3. Tap the Email account you would like to switch to. You can also select **Combined view** which displays email messages from all accounts.
4. The new Email account displays.

Using Gmail

Gmail is Google's web-based email. When you first setup the phone, Gmail is configured. Depending on the synchronization settings, Gmail is automatically synchronized with your Gmail account.

Signing into Your Gmail

Note: You must sign in to your Gmail account in order to access Gmail.

1. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12.

2. From the Home screen, tap → **Gmail**.
3. Follow the on-screen instructions.
   The Inbox loads conversations and email.

Creating a Gmail Message

1. From the Gmail Inbox, tap at the bottom of the screen to create a new message.
2. Enter the recipients Email address in the **To** field. Separate multiple recipient email addresses with a comma.
3. Tap and select **Add Cc/Bcc** to add a carbon or blind copy.
4. Enter the subject of this message in the **Subject** field.
5. Tap the **Compose email** field and begin composing your message.
6. Tap to send.

Viewing a Gmail Message

1. From the Gmail Inbox, tap a message to view it.
2. The following options are available at the bottom of the screen after a message has been selected:
   - **Archive**: archives the selected message.
   - **Delete**: deletes the message.
   - **Labels**: allows you to attach labels to a message. This is similar to putting it in a folder.
   - **Mark Unread**: after reading a message, marks as unread.
   - **Newer**: swipe your screen to the right to see newer messages.
   - **Older**: swipe your screen to the left to see older messages.
3. Press to select one of the following additional options:
   - **Mark important**: allows you to mark a message as important.
   - **Mute**: allows you to mute the sound in a message if applicable.
   - **Report spam**: allows you to report a message as spam. Tap the UNDO option if you change your mind.
   - **Settings**: displays Email settings that you can modify.
   - **Help**: displays the Google.com webpage so you can search the web for help.
   - **Send feedback**: allows you to send feedback or report a problem.

Other Gmail Options

1. Tap at the bottom of the screen to refresh the screen, send and receive new emails, and synchronize your email with the Gmail account.
2. Tap at the bottom of the screen to set up and manage Labels for your Gmail messages.
3. Tap at the bottom of the screen to search through your Gmail messages.

Google Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

1. Log on to your Google account if you have not already done so. For more information, refer to *"Creating a New Google Account"* on page 12.
2. From the Home screen, tap ➔ **Talk** .
3. Begin using Google Talk.
4. Press ➔ **Help** for more information on using Google Talk.

Note: The Network confirms your login and processes. This could take up to 5 minutes to complete.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.

1. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12.
2. From the Home screen, tap ➔ **Messenger** .

   – or –

   From the Google+ application, select **Messenger**.

For more information, refer to *"Messenger"* on page 110.

ChatON

Provides a global mobile communication service where you can chat with more than 2 buddies via a group chat. Share things such as pictures, videos, animation messages (Scribbles), audio, Contacts, Calendar entries, and Location information.

Important! The Samsung account manages the access information (username/password) to several applications, such as AllShare Play, ChatON, and Media Hub.

For more information, visit: https://web.samsungchaton.com.

Registering with the Service

1. Confirm you have already logged in to your Samsung account.

Note: There should be no (**Samsung account** icon) in the Notifications area of the screen.

2. From the Home screen, tap → **ChatON**.
3. Read the on-screen notification about data charges and tap **OK**.
4. Select either the **Terms and conditions** or **Privacy policy** and read the on-screen information. Tap **Accept** to continue.
5. Select a country code, enter your current phone number to register with the service, and tap **Done**.
6. Choose to receive the verification code via either **SMS** (text message) or **Voice** to your device.

Note: If you opt to receive the verification code via SMS, this information is sent directly to your device. Once received, the **Verification** field is automatically filled in.

7. Enter your real name and tap **OK**.

Adding Your First Chat On Buddy

1. From the Home screen, tap → **ChatON**.
2. Tap **Add buddy** and choose a search method.
   - **Address** : to search by Country code and phone number.
   - **Search by Samsung Account ID** : to search by using a known samsung account ID.
3. Enter the information and tap . Once the recipient is matched, their entry displays in the **Results** area.

4. Tap (**Add buddy**) and confirm your new buddy displays in the Buddies tab.

Note: For more information, press and tap **General** ➔ **Help**.

Using ChatON for Chatting

1. From the Home screen, tap ➔ **ChatON** .
2. Tap the Buddies tab and select a buddy to initiate your chat.
3. Enter your message using the on-screen text entry method.
4. Tap Send to send the message.

To reply to a ChatON message:

1. While the chat session is active, tap the **Enter message** field and then type your reply message.
2. Compose your reply.
   Your texts are colored Blue and your buddy's messages are white.
3. Tap Send to deliver your reply.

Deleting a single message bubble

1. From the Home screen, tap ➔ **ChatON** .
2. Launch a chat session to reveal the message string.
3. Touch and hold a message bubble, then select **Delete**.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12.

1. From the Home screen, tap ➔ **Google+** .
2. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Add account** to create another account.
3. Follow the on-screen instructions to use Google+.
4. Visit www.google.com/mobile/+/ for more information.

Section 8: Connections

This section describes the various connections your phone can make including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

Internet

The Browser is your access to the mobile web. This section explains how to navigate the Browser and introduces you to the basic features.

Accessing the Mobile Web

To access the Browser:

- From the Home screen, tap **Internet** .
  The US Cellular mobile homepage displays.

Navigating with the Browser

1. To select an item, tap an entry.
2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. Sweep the screen left to right to move laterally across a web page.
4. To return to a previous page, press .
5. To move forward to a web page, press .

Browser Options

- From the home page, press to access the following options:
  - **New window**: displays a new window so you can browse multiple URLs. For more information, refer to *"Adding and Deleting Windows"* on page 115.
  - **Add bookmark**: allows you to add a URL to your bookmark list
  - **Add shortcut to home screen**: allows you to add a shortcut to your Home screen.
  - **Share page**: allows you to share the page using Gmail or as a message.
  - **Find on page**: allows you to search in the current page.
  - **Desktop view**: allows you to assign the browser to display the current page in the desktop view (to closely mimic the display as it displays on a desktop computer).
  - **Save for offline reading**: allows you to store the current page in memory so that it can be read later even if you loose your Internet connection.

- **Brightness:** configures the brightness settings manually (using the slider) or automatically.
- **Downloads**: displays the download history.
- **Print**: allows you to print the screen or web page on a Samsung printer using Wi-Fi.
- **Settings**: allows you to modify your web settings. For more information, refer to *"Browser Settings"* on page 118.

Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website, follow these steps:

1. Tap the **URL** field at the top of your screen.
2. Enter the URL using the on-screen keypad.

   The website displays.

Search the Internet

To perform an internet search using keywords, follow these steps:

1. From the Google homepage, tap the URL field.
2. Enter the keyword(s) to search using the on-screen keypad and tap **Go**.
3. Tap a link to view the website.

Adding and Deleting Windows

You can have up to eight Internet windows open at one time. To add a new window, follow these steps:

1. From your browser, press ➔ **New window**.

   A new browser window is opened.
2. Tap (**Windows**) to see thumbnails of all open windows.
3. Tap a window listing to open up that Internet window.
4. Tap at the top right corner of the web page thumbnail to delete the window.

Going Incognito

The incognito feature allows you to view Internet sites outside of the normal browsing. Pages viewed in this incognito window won't display in the browser history or search history, and no traces (such as cookies) are left on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add a new incognito window:

1. From your browser window, tap (**Windows**) ➔ (**Incognito**).
2. A new browser window displays.

Note: The incognito icon displays in the upper-left of the new browser window while you are in this mode.

To exit from the incognito window:

1. From your browser window, tap (**Windows**) ➔ (**New window**).
2. Scroll across the available windows and locate the incognito window.
3. Tap next to the incognito listing to delete this window.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites display in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From the Home webpage, tap (**Bookmarks**).
2. Press to display the following options:
   - **List/Thumbnail view**: Select **Thumbnail view** (default) to view a thumbnail of the webpage with the name listed, or select **List view** to view a list of the bookmarks with Name and URL listed.
   - **Create folder**: Creates a new folder in which to store new bookmarks.
   - **Change order**: Rearranges the current bookmarks.
   - **Move to folder**: Selected bookmarks are moved to a selected folder.
   - **Delete**: Erases selected bookmarks.
3. Tap a bookmark to view the webpage, or touch and hold a bookmark for the following options:
   - **Open**: Opens the webpage of the selected bookmark.
   - **Open in new window**: Opens the webpage in a new window.
   - **Edit bookmark**: Allows you to edit the name or URL of the bookmark. For more information, refer to *"Editing Bookmarks"* on page 117.
   - **Add shortcut to home screen**: Adds a shortcut to the bookmarked webpage to your phone's Home screen.
   - **Share link**: Allows you to share a URL address using many different options.

- **Copy link URL**: Allows you to copy the URL address to use in a message.
- **Delete bookmark**: Allows you to delete a bookmark. For more information, refer to *"Deleting Bookmarks"* on page 117.
- **Set as homepage**: Sets the bookmark to your new homepage.

Adding Bookmarks

1. From any webpage, tap ➔ .
2. Use the on-screen keypad to enter the Name, Address, and the Folder.
3. Tap **Save**.
4. **Saved to bookmarks** displays at the bottom of the page.

Editing Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to edit.
2. Tap **Edit bookmark**.
3. Use the on-screen keypad to edit the Name, Address, and the Folder.
4. Tap **Save**.

Deleting Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to delete.
2. Tap **Delete bookmark**.
3. At the **Delete** confirmation window, tap **OK**.

Emptying the Cookies

A cookie is a small file which is placed on your phone by a website during navigation. In addition to containing some site-specific information, it can also contain some personal information (such as a username and password) which can pose a security risk if not properly managed. You can clear these cookies from your phone at any time.

1. From the Home webpage, press ➔ **Settings** ➔ **Privacy and security** ➔ **Clear all cookie data**.
2. At the **Clear** prompt, tap **OK** to delete the cookies or tap **Cancel** to exit.

Using your History

The History list provides you with a list of the most recently visited websites. These entries can be used to return to previously unmarked web pages.

1. From the Home webpage, tap ➔ **Bookmarks** then touch the History tab.

   A list of your most recently visited websites displays with Name and URL address.

2. Tap on a category such as **Today**, **Last 7 days**, or **Most visited**.
3. Tap any entry to display the webpage.
4. Press ➔ **Clear history** to delete the History list.

Saved Pages

The Saved pages list provides you with a list of the websites that you have saved.

1. From the Home webpage, tap ➔ **Bookmarks** then touch the **Saved pages** tab.

   A list of your saved webpages displays with Name and URL address. The webpages that have been visited the most displays at the top.

2. Tap any entry to display the webpage.

Browser Settings

To make adjustments in your browser settings, follow these steps:

1. Tap **Internet** ➔ ➔ **Settings**.
2. The following options are available:

General

- **Set home page**: Sets the current home page for the Web browser.
- **Form auto-fill**: allows you to fill in web forms with a single tap.
- **Auto-fill text**: allows you to enter text to be used in the Form auto-fill feature.

Privacy and security

- **Clear cache**: Deletes all currently cached data. Tap **OK** to complete the process.
- **Clear history**: Clears the browser navigation history. Tap **OK** to complete the process.
- **Show security warnings**: Notifies you if there is a security issue with the current website.
- **Accept cookies**: Allows sites, that require cookies, to save and read cookies from your device.

- **Clear all cookie data**: Deletes all current browser cookie files.
- **Remember form data**: Allows the device to store data from any previously filled out forms. Tap the option again to disable this function.
- **Clear form data**: Deletes any stored data from previously filled out forms. Tap OK to complete the process.
- **Enable location**: Allows websites to request access to your location.
- **Clear location access**: Clears location access for all websites. Tap **OK** to complete the process.
- **Remember passwords**: Stores usernames and passwords for visited sites. Tap the option again to disable this function.
- **Clear passwords**: Deletes any previously stored usernames or passwords. Tap **OK** to complete the process.
- **Enable notifications**: Allows website notifications. Select Always on, On demand, or Off.
- **Clear notifications**: Deletes website notification access information.

Accessibility

- **Force zoom**: allows you to override the website's request to control zoom.
- **Text size**: allows you to preview the text size, scale the text size using a slider bar, set the zoom amount on double tap, and minimize the font size using a slider bar.
- **Inverted rendering**: allows you to preview a website page, select Inverted rendering (black becomes white and vice versa), and adjust the Contrast using a slider bar.

Advanced

- **Select search engine**: allows you to set your default search engine to Google, Yahoo!, or Bing.
- **Open in background**: New pages are launched in a separate page and displayed behind the current one. Tap the option again to disable this function.
- **Enable JavaScript**: Enables JavaScript for the current Web page. Without this feature, some pages may not display properly. Tap the option again to disable this function.
- **Allow multiple tabs per app**: Allows you to use multiple navigation tabs per application.
- **Enable plug-ins**: Allows the download of plug-ins such as Adobe Flash.
- **Default storage**: Allows you to set your default storage to Phone or Memory Card.

- **Website settings**: View advanced settings for individual websites.
- **Default zoom**: Adjusts the zoom feature. Set to Far, Medium, or Close.
- **Open pages in overview**: Shows an overview of newly opened web pages.
- **Auto-fit pages**: Allows web pages to be resized to fit as much of the screen as possible.
- **Block pop-ups**: Prevents popup advertisement or windows from displaying onscreen. Tap the option again to disable this function.
- **Text encoding**: Adjusts the current text encoding.
- **Reset to default**: Clears all browser data and resets all settings to default.

Bandwidth management

- **Preload search results**: Allows the browser to preload high confidence search results in the background to help speed up searches.
- **Page preloading**: Allows the browser to preload pages in the background.
- **Load images**: Allows web page images to be loaded along with the other text components of a loaded website.

Labs

- **Quick controls**: allows you to open quick controls and hide the app and URL bars by swiping your thumb from the left or right edge of the screen.
- **Full screen**: allows you to access Full screen mode and hide the status bar.

Wi-Fi

About Wi-Fi

Wi-Fi (short for "wireless fidelity"and sometimes referred to as Wi-Fi) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs are either Open (unsecured) used with most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Turning On Wi-Fi

By default, your device's Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, tap **Settings**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON

.

Connect to a Wi-Fi Network

1. From the Home screen, tap **Settings** ➔ **Wi-Fi**.
   The network names and security settings (Open network or Secured with WEP) of detected Wi-Fi networks display in the Wi-Fi networks section.
2. Tap the network in which you want to connect.

Note: When you select an open network, you automatically connect to the network.

3. Enter a wireless password if necessary.

Manually add your new network connection

1. Tap **Add Wi-Fi network**.
2. Enter the **Network SSID**. This is the name of your Wireless Access Point.
3. Tap the **Security** field and select a security option. This must match the current security setting on your target WAP.
4. If secured, enter your WAP's password.
5. Tap **Save** to store the new information and connect to your target WAP.

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you reset your device back to its factory default settings.

Turning Off Wi-Fi

1. From the Home screen, tap **Settings**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi OFF OFF.

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Manually Scan for a Wi-Fi Network

1. From the Home screen, tap **Settings** ➔ **Wi-Fi**.
2. Tap **Scan**.

   All available Wi-Fi networks display.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status at a glance:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).

Displays when connected to another device using Wi-Fi Direct. For more information, refer to *"Wi-Fi Direct"* on page 123.

Wi-Fi Advanced Settings

The Advanced Wi-Fi menu allows you to set up many of your device's Wi-Fi service, including:

- Network notification when an open network is available
- Setting your Wi-Fi sleep policy
- Checking for Wi-Fi Internet service
- Automatically connecting to a US Cellular Wi-Fi hotspot when detected
- Specifying your Wi-Fi frequency band
- Viewing your device's MAC and IP Address

To access the Advanced Wi-Fi menu:

1. From the Home screen, tap **Settings** ➔ **Wi-Fi**.
2. Tap **Advanced**.

For more information, refer to *"Advanced Wi-Fi Settings"* on page 158.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

Note: See your service plan for applicable charges for Wi-Fi Direct.

1. From the Home screen, tap **Settings** ➔ **Wi-Fi**.
2. Tap the Wi-Fi Direct button on the lower, right corner of the screen.
3. Repeat **steps 1 - 4** on the other device you want to connect with. The steps on a different model of phone, may be different.
4. On your phone, tap **Scan**.

   The device scans for other Wi-Fi Direct devices.
5. Once the device you want to connect to displays, tap on it.
6. The other device has 2 minutes to tap **Accept** for the connection.
7. Once connected, the other device displays as **Connected** in your list of Wi-Fi Direct devices and the icon displays at the top of your screen.
8. To change your Device name, press ➔ **Rename device**.
9. For additional information about Wi-Fi Direct, press ➔ **Help**.

Sharing Information with Connected Device

To share Videos, Photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or **My Files** folder, then tap the **Share, Share via,** or **Send via** option.
2. Tap the **Wi-Fi Direct** option.
3. Tap the connected device name. For example, Android_49ba.
4. The other device will receive a prompt to receive the information and must tap **Accept**.
5. The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received. The file can be found in **My files** ➔ **SD card** in the **ShareViaWifi** folder.

Note: Depending on the other device model, the prompts and shared folder information may differ.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam. To activate NFC on your device, see *"NFC"* on page 163.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music Player, and more. For more information, refer to *"S Beam"* on page 163.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, tap **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON

. When active, displays in the Status area.

To turn Bluetooth off:

1. From the Home screen, tap **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth OFF

.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

	Displays when Bluetooth is active.
	Displays when Bluetooth is connected (paired) and communicating.
	Displays briefly when Bluetooth is on but is not connected to a Bluetooth device.

Bluetooth Settings

The Bluetooth settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication and description
- Setting your device's visibility (or "discoverability") for other Bluetooth devices
- Displaying your device's Bluetooth address

To access the Bluetooth Settings menu:

1. From the Home screen, tap **Settings**.
2. Verify your Bluetooth is ON .
3. Tap **Bluetooth**.

To change your Bluetooth name:

1. From the Bluetooth settings page, press → **Rename device**.
2. Enter a new name.
3. Tap **OK** to complete the rename process.

To make your device visible:

1. From the Bluetooth settings page, press → **Visible time-out**.
   Making your device visible allows other devices to detect you for pairing and communication.
2. Select a time for the device to visibility time-out.

To show received files:

- From the Bluetooth settings page, press → **Received files**.
  A list of all files received from Bluetooth displays.

To scan for Bluetooth devices:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap **Scan** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

Pairing Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To pair your device with another Bluetooth device:

1. Verify your Bluetooth is active.
2. Tap **Scan**. Your device displays a list of discovered in-range Bluetooth devices.
3. Tap a device from the list to initiate pairing.
4. Enter the passkey or PIN code, if needed, and tap **OK**.
5. The external device will then have to also accept the connection and enter your device's PIN code.

   Once successfully paired to an external device, displays in the Status area.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Note: Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

Disconnecting a paired device

Disconnecting a paired device breaks the connection between the device and your phone, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap the previously paired device (from the bottom of the page).
3. Tap **OK** to confirm disconnection.

Note: Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

Deleting a paired device (unpair)

Deleting a device from your list removes its "connection record" and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap next to the previously paired device. This opens the connected device's menu options.
3. Tap **Unpair** to delete the paired device.
4. Tap **Rename** to change the name of the paired device.
5. Tap **Call audio** to enable or disable call audio from the paired device.
6. Tap **Media audio** to enable or disable media audio from the paired device.

Sending Contacts via Bluetooth

Depending on your paired devices' settings and capabilities, you may be able to send pictures, Contact information, or other items using a Bluetooth connection.

Note: Prior to using this feature, Bluetooth must first be enabled, and the recipient's device must be visible.

1. Verify your Bluetooth is active.
2. From the Home screen, tap ➔ **Contacts** .
3. Press ➔ **Import/Export** ➔ **Share namecard via**.
4. Tap each contact that you would like to send via Bluetooth. A green checkmark displays next to each selected entry.
5. Tap **Done**.
6. Tap **Bluetooth**.
7. Select the paired device in which to send the contacts.

Note: The external Bluetooth device must be visible and communicating for the pairing to be successful.

8. A Bluetooth share notification displays in your notifications list.

PC Connections

You can connect your device to a PC using your PC data cable using various USB connection modes.

Storage: allows you to use the onboard storage capacity of the phone to store and upload files. This option allows your computer to detect the phone as a removable storage drive.

Kies air: this application allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network.

Kies: allows you to manage music, movies and photos. You can also backup precious contacts and calendars, download applications and podcasts and automatically upgrade device firmware. Kies conveniently syncs your life across all your devices.

Note: To sync your device to your PC, it is highly recommended that you install Samsung Kies which is available at http://www.samsung.com/kies (for Windows/ Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Connecting as a Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC when connected.
2. On the PC pop-up, click **Open device to view files**.
3. Copy files from the PC to the memory card.

Kies air

Kies air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. You can view and share call logs, videos, photos, music, bookmarks, ringtones, and even send SMS messages from your PC.

To use the Kies air, follow these steps:

1. Sign onto the same Wi-Fi network from your phone and from your PC.
2. On your phone, from the Home screen, tap ➔ **Kies air** .

Note: You may have to update the application the first time you use it.

3. From the Kies air homescreen, tap **Start**.
   A web URL displays on your phone screen.
4. From your PC, enter the URL in your web browser.
5. On your phone, an Access Request prompt displays. Tap **Allow** to continue.
6. Tap the **Remember for today** checkbox if you will be using Kies air with the same PC later.
7. From your PC, a security warning may be displayed asking if you want to run this application. Click **Run** to continue.
8. On your PC, the Kies air screen displays. On your phone, the icon displays at the top of your screen.
9. Follow the on-screen instructions to view and share information between your phone and PC.
10. To exit the Kies air application, tap **Stop** on your phone, then close out the web browser on your PC.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam. For information on NFC and NFC related features, see *"NFC"* on page 163.

Section 9: Applications

This section contains a description of each application that is available in the Apps Menu, its function, and how to navigate through that particular application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see *"Customizing Your Home Screen"* on page 38.
You can also add an application icon as a Primary Shortcut that displays on all Home screens. If you add an application as a primary shortcut, the application icon will not be displayed in the Apps menu. For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 39.

AllShare Play

This application wirelessly synchronizes your Samsung device with your TV, streams content and even keeps tabs on who calls or sends text messages with real-time, on-screen monitoring. Samsung's AllShare makes staying connected easy.

Allows users to share their in-device media content with other external devices using DLNA certified™ (Digital Living Network Alliance) Devices. These external devices must also be DLNA-compliant. Wi-Fi capability can be provided to TVs via a digital multimedia streamer.

Important! You must first connect both of your communicating devices to the same Wi-Fi and be using an active/registered Samsung account prior to using this application. For more information, refer to *"Wi-Fi Settings"* on page 158. For more information, refer to *"Creating a Samsung Account"* on page 11.

The Samsung account manages the access information (username/password) to several applications, such as AllShare Play, ChatON, and Media Hub.

1. Confirm you have already logged in to your Samsung account. There should be no icon in the Notifications area of the screen.

2. From the Home screen, tap → **AllShare Play**. The AllShare Play screen displays.
3. If prompted, read the on-screen message about network charges and tap **OK** to continue and return to the main AllShare Play screen.
4. Tap **Start** and follow the on-screen prompts.

The application contains two separate streaming media options:

- **Registered Storage**: allows you to receive and playback media stored externally (server, laptop, etc.) directly on your device by allowing you to add a Web storage service for streaming content.
- **Registered Devices**: allows you to stream/share selected multimedia content from your device to DLNA compliant device connected to the same Wireless Access Point.

Configuring AllShare Settings

The AllShare Play™ application must first be configured prior to its initial use. You must setup parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

1. From the Home screen, tap → **AllShare Play**.
2. Press and then tap **Settings** and configure the following settings as desired:
   - **Registered Storage**: allows you to add a Web storage location. Without a storage service/location added, you will not be able to use AllShare Play.
   - **Registered Devices**: defaults to your phone. This indicates the source of the streaming images and videos. Use the main screen to add more external devices.
   - **Setting up web services**: allows you to set up external Web services by signing in to external sites such as Facebook, Twitter, YouTube, etc.
   - **Auto Upload photos from mobile**: allows you to setup automatic upload of images from your device to those storage locations specified in the Web storage list.
   - **Video quality settings**: allows you to setup the video quality for streamed video content.

- **Lock AllShare Play**: allows you to restrict access to AllShare Play by requiring a user enter the currently active and associated Samsung account password. Tap **Locking AllShare Play** to activate/deactivate the feature.
- **Language**: allows you to select a display language.
- **About**: displays application information.
- **Contact Us**: allows you to contact the AllShare team via a new email from an available email account.

Setting Up Web Storage

SugarSync is a Web storage service that allows you to use up to 5GB of storage space to store your files and share them on the “Cloud”.

Note: If you are using another Web storage service, log into that service first before using AllShare Play.

1. From the Home screen, tap ➔ **AllShare Play** . An N drive is added.
2. From the main screen, select (**Add storage**) and then tap on the media that you would like to share.
3. If this is your first time to use the service, set up a new account by tapping **Sign up** ➔ **SugarSync Sign Up**.

Note: If you already have a current Sugar Sync account, tap **Sign in**.

4. Enter in your Email address and your password.
5. Agree to the terms of service and tap **Sign up** or **Go** on your on-screen keyboard.

Important! After you enter your passwords, do not press to hide the keyboard. This action erases the password fields.

6. You can choose to download the SugerSync app or tap **Skip** to continue.
7. Once the process is successfully completed, the Web storage icon or name displays in the Web storage area of the main screen.

Sharing Media via AllShare Play to a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

1. Launch AllShare on the target device (such as an Internet TV, Samsung Tablet, etc.).
2. From the Home screen, tap ➔ **AllShare Play** .
3. Tap your device name from the **Devices** list.
4. Tap an available category tab (Pictures, Music, Movies, Files, or Info) and select a file.
   - Touch and hold to select multiple files.
   - A file with in the upper-left indicates it is stored remotely on a web storage location. Selecting this media causes your device to access the file currently stored on your services' servers.
5. Tap an available on-screen file, image, or video to place a green check mark alongside it.
6. Tap (**Stream to connected devices**) to begin streaming the selected files.
7. On a target device (ex: Internet TV) select the on-screen Allow button to continue.

Note: At this stage your device is requesting access to share media with the external source.

8. Confirm (**AllShare Controller enabled**) displays in the Notification area at the top of the device to indicate you are using your device as the media source.

AllShare Play Screen Sharing using Group Cast

Important! Verify all of your recipients are connected to the same Wi-Fi.

1. From the Home screen, tap ➔ **Gallery** .
2. Tap ➔ **Group Cast**.
3. If prompted, read the on-screen notification and tap **OK** to continue and return to the main AllShare Play screen.
4. Enter a security PIN and tap **Done**. This process makes sure only desired recipients can view your shared image.

5. Re-enter you PIN and tap **Done**. The device then waits for other connected recipients to accept the connection and enter the PIN on their screens.

   – or –

   Tap **Start Group Cast anyway** to continue the process while your users connect.

You can now interact and draw with the on-screen image, users will instantaneously see the same gestures and also be able to interact.

Note: The newly altered image (with markups and comments) can not be saved, but you can take a screen shot of the current image and save it to your Clipboard. For more information, refer to *"Using Gestures"* on page 23.

Calculator

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. The Calculator also keeps a history of recent calculations.

1. From the Home screen, tap ➔ **Calculator** .
2. Enter the first number using the on-screen numeric keys.
3. Enter the operation for your calculation by tapping the corresponding on-screen arithmetic function key.
4. Enter the second number.
5. To view the result, tap equals (**=**).
6. To view calculator history, tap located at the top of the calculator buttons. A history of your past calculations displays. Tap again to display the calculator keypad.
7. To clear the calculator history, press ➔ **Clear history**.
8. To change the text size, press ➔ **Text size**. Tap Small, Medium, or Large.

Calendar

With the Calendar feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary.

To access the Calendar:

1. From the Home screen, tap ➔ **Calendar** .

2. Tap (**Show More**) to display these tabs:
   - **Year**: displays the Year view.
   - **Month**: displays the Month view.
   - **Week**: displays the Week view.
   - **Day**: displays the Day view.
   - **List**: displays the List view.
   - **Task**: allows you to search for tasks.
3. Tap (**Create event**) to create a new Calendar event.
4. Tap **Today** to display the current date indicated by a blue box.
5. Tap **Calendars** to select the calendar options that you want displayed.
6. Press and select one of the following options:
   - **Go to**: displays a specific date.
   - **Delete**: allows you to delete All events, All events before today, or an individual event.
   - **Search**: allows you to search current events.
   - **Sync**: allows you to synchronize your calendar with one or all of your accounts. This option only displays when an account was opened.
   - **Settings**: displays a list of configurable settings.

To Use the Handwriting Tools

1. Tap to display the handwriting tools and activate the feature.
2. Tap to write on the calendar.
3. Tap the Eraser and use the slider to set the eraser size. Touch Clear all to clear all handwriting.
4. Tap Back to move back one date on the calendar.
5. Tap Forward to move forward one date on the calendar.

Calendar Settings

1. From any Calendar view, press → **Settings**.
2. Tap Month view styles and select a type: **Calendar view + list** or **Calendar view + pop-up**.
3. Tap **Week view** and select a type: **Timeline** or **Analog**.
4. Tap **First day of week** and select either **Locale default**, **Saturday**, **Sunday**, or **Monday**.
5. Tap **Hide declined events** to activate this option. A check mark indicates selection.

6. Tap **Lock time zone** (to lock event time based on your current user-selected time zone). Select a time zone from the **Select time zone** field.
7. Tap **Show week number** to display the week numbers along the side of the week entries.
8. Tap **Calendars** and select the type of general synchronization settings you want. A check mark indicates selection.
9. Tap Handwriting settings to configure these settings.
10. Tap **Set alerts & notifications** to adjust the event notification method. Choose from: **Alert**, **Status bar notification**, and **Off**.
11. Tap **Select ringtone** to assign a ringtone to a calendar event notification.
12. Tap **Vibration** to set the Event notification tone to vibrate.
13. Tap **Default reminder time** to assign a default time frame for event reminders.
14. Tap **Notifications while screen is off** to display notifications on the full screen while it is turned off.
15. Tap Quick responses to edit the default quick responses for email. Select a quick response.
16. Tap **Swipe with two fingers** to change the way events display when swiped.

Camera

Use your 8.0 megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a Camcorder to take videos.

For more information, refer to *"Camera"* on page 91.

ChatON

With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can chat in groups, while a Web client will allow the easy sharing of content and conversations between your phone and PC. For more information, refer to *"ChatON"* on page 111.

Clock

The Clock application allows you to access alarms, view the World Clock, set a stopwatch, and use a timer.

Alarm

This feature allows you to set an alarm to ring at a specific time.

1. From the Home screen, tap ➔ **Clock** ➔ **Alarm** ➔ **Create alarm** . The following options display:
   - **Alarm set for 1 day from now**. tap (**Up**) or (**Down**) to set the new time for the alarm to sound. Tap AM or PM.
   - **Alarm repeat**: use this option to set the repeating status for the alarm by tapping one the days that you want the alarm to sound. Tap the Repeat weekly checkbox to have the alarm repeat weekly.
   - **Alarm type**: sets the way in which the alarm sounds when activated (Melody, Vibration, Vibration and melody, and Briefing).
   - **More**: Configure additional Alarm settings.
     - **Alarm volume**: drag the slider to adjust the alarm's volume.
     - **Alarm tone**: sets the sound file which is played when the alarm is activated. Select **OK** or **Add**.
     - **Location alarm**: when activated, the alarm only sounds when you are at a specific location. Touch and slide the slider to the right to activate this feature, then follow the instructions to enter a location.
     - **Snooze**: use this option to set an Interval (3 minutes, 5 minutes, 10 minutes, 15 minutes, or 30 minutes) and Repeat (1 time, 2 times, 3 times, 5 times, or 10 times). Tap the ON/OFF slider to activate.
     - **Smart alarm**: tracks body movements and calculates the best time for sounding the alarm. Place the phone somewhere on your bed then the phone's movement sensor (also known as accelerometer) is sensitive enough to work from any part of the bed. Set the Interval and the Tone. Tap the ON/OFF slider to activate.
     - **Name**: allows you to use a specific name for the alarm. The name displays on the screen when the alarm activates.
2. Tap **Save** to store the alarm details.

Turning Off an Alarm

- To stop an alarm when it sounds, touch and sweep the icon to the right.

Setting the Snooze Feature

- To activate the Snooze feature after an alarm sounds, touch and sweep the icon to the left. Make sure Snooze is set in the alarm settings. For more information, refer to *"Alarm"* on page 137.

Deleting Alarms

To delete an alarm, follow these steps:

1. From the Home screen, tap ➔ **Clock** ➔ **Alarm** ➔ ➔ **Delete**.
2. Tap the alarm or alarms you wish to delete. A green checkmark displays next to each selection. Tap **Select all** to delete all alarms.
3. Tap **Delete**.

World Clock

World Clock allows you to view the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, in all 24 time zones around the world.

1. From the Home screen, tap ➔ **Clock** ➔ **World clock**. The clock for your time zone displays.
2. Tap **Add city** to add another city to the World Clock.
3. Scroll through the list of cities to find the city you want to add, or tap the Search bar and use the keypad to enter a city to search for.
4. Tap the city you want to add. The clock for that city displays.
5. To set Daylight Savings time, press and hold a city, then tap **DST settings**.
6. Select **Automatic**, **Off**, **1 hour**, or **2 hours**.
7. If Daylight Savings Time is selected, the sun symbol on the World Clock listing displays orange.

Deleting a World Clock Entry

1. From the Home screen, tap ➔ **Clock** ➔ **World clock** ➔ ➔ **Delete**.
2. Tap the city clocks you wish to delete.
3. Tap **Delete**.

Stopwatch

You can use this option to measure intervals of time.

1. From the Home screen, tap ➔ **Clock** ➔ **Stopwatch**.
2. Tap **Start** to start the stopwatch and tap **Lap** to mark a unit of time per lap.
3. Tap **Stop** to stop the stopwatch.
4. Tap **Restart** to continue or tap **Reset** to erase all times recorded.

Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

1. From the Home screen, tap ➔ **Clock** ➔ **Timer**.
2. The **Minutes** field is highlighted and set to 1 minute. Use the keypad to set the number of minutes you want.
3. Tap the **Hours** field to set hours if desired. As you tap different fields, they will become highlighted.
4. Tap the **Seconds** field to set seconds.
5. Tap **Start** to begin the timer and tap **Stop** to pause the timer.
6. After stopping, tap **Restart** to continue or tap **Reset** to set the timer back to the original setting.

Desk clock

You can use the Desk clock when you have a desk dock and you want your phone to display the time, day, date, location, and weather conditions when it is docked.

1. From the Home screen, tap ➔ **Clock** ➔ **Desk clock**.

   The default Desk clock displays.
2. Tap to display the Desk clock in full-screen mode.
3. Tap ➔ **Settings** to make changes.

The following options display while in full-screen mode:

- **Calendar**: activates the calendar when selected.
- **AccuWeather**: the location, temperature, and weather condition displays when selected. Tap to uncheck.
- **Dock**: allows you to set your Dock settings such as Dock sound, Audio output mode, Desk home screen display, and Audio output (for HDMI).

Contacts

You can manage your daily contacts by storing their name and number in your Contact List. Contact List entries can be sorted by name, entry, or group.

For more information, refer to *"Accounts and Contacts"* on page 69.

Downloads

The Downloads application allows you to manage all of your downloads from the Play Store and the Browser.

1. From the Home screen, tap ➔ **Downloads** . All of your downloads are listed.
2. Tap the **Internet Downloads** tab to see all of the downloads you have made from the Browser.
3. Tap the **Other Downloads** tab to see all other downloads.
4. Tap **Sort by size** to see your downloads sorted in size order.
5. Tap **Sort by date** to see your downloads sorted in time order.

Dropbox

Dropbox provides direct access to your desktop files. This application makes files portable, you can edit files in the Dropbox from your device, upload photos and videos to Dropbox, and share selected files with family and friends.

This application works in conjunction with a partner program with is placed on a computer using an Internet connection.

Dropbox creates a folder that automatically synchronizes the contents across all connected devices on your account. Update a file to your Dropbox on your computer, and it automatically updates to the same folder on the connected devices.

Download the Desktop application

1. Using the computer's browser, navigate to http://www.dropbox.com.
2. Follow the on-screen setup and installation instructions.

Accessing Dropbox

1. From the Home screen, tap → **Dropbox** → **Start**.
2. Tap **I'm already a Dropbox user**, enter your current account credentials, and tap Log in.

   – or –

   Tap **I'm new to Dropbox** and follow the on-screen instructions to register for a new account.
3. Follow the on-screen instructions.
4. Initially, you will need to configure your **Camera Upload** parameters. Choose from **Wi-Fi only** or **Wi-Fi** or **data plan**.
5. Tap **Turn on** after making your selection.

Important! Data charges may apply (depending on your plan) if the Wi-Fi or data plan is selected.

6. Tap at the top of the application window to access the files and folders you area currently sharing from your computer.
7. Tap an items to open it.
8. Touch and hold an item, then select from the following options:
   - **Share**: using applications such as: Copy link, Bluetooth, ChatON, Email, Facebook, Flipboard, Gmail, Google+, Messaging, S Note, or Wi-Fi Direct.
   - **Favorite**: to tag an image as a favorite.
   - **Delete**: to erase the current file.
   - **Rename**: to rename the current file.

- **Export**: to transfer the current file to another location via: Save to SD card, Bluetooth, ChatON, Email, Facebook, Flipboard, Gmail, Google+, Group Cast AllShare Play, Group Cast Group Cast, Messaging, Paper Artist, Picasa, S Note, Wi-Fi Direct, or Gallery.

9. Tap (Up a Directory Level) at the top of the application window to navigate up a single level with every tap.
10. Tap (Tag as Favorite) at the top of the application window to assign favorite files.

Uploading a Picture to Dropbox

1. From the Home screen, tap → **Camera** → **Start**.
2. Take a picture, then tap the Image Viewer box to preview the image.
3. Tap the image to display the image options.
4. Tap → **Dropbox**, select a folder location then tap **Upload**.

Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 107.

Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook news feed, tweets from your Twitter account, photos from friends and much more.

1. From the Home screen, tap → **Flipboard** .
2. Tap **Get started**, select some on-screen categories and tap **Done** to create a new profile.

   – or –

   Tap **Sign In** to log into your previously created profile.
3. Follow the on-screen instructions.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 88.

Game Hub

Provides a premium one-stop service center that let's you play, connect and share games on compatible Samsung Android devices. Game Hub comes pre-packaged with some of the most popular social and premium HD games that have been specially customized to play on your device.

1. From the Home screen, tap ➔ **Game Hub** .
2. Read the disclaimer and tap **Confirm**.
3. Follow the on-screen instructions and navigate to your favorite games and services.

Gmail

Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 108.

Google Search

The Google Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, refer to *"Google Search Bar"* on page 34.

Google+

Google+ makes messaging and sharing with your friends a lot easier.

1. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.
2. From the Home screen, tap ➔ **Google+** . For more information, refer to *"Google+"* on page 113.

Group Cast

This application allows you to mirror photos and multimedia presentations with other members of your current Wi-Fi group. Users must be on the same Wi-Fi and provide an access code to join the group.

Important! Both communicating devices by connect to the same Wi-Fi and use an active/registered Samsung account.

1. From the Home screen, tap → **Group Cast** .
2. Tap **Next** after reading how to share the experience.
3. Tap **Next** after reading the Wi-Fi connection information.
4. Tap **Next** to start Group Cast.
5. Tap **Done** to join an ongoing Group Cast.

Important! If you are using the Group Cast function through a connection to an unsecured Wi-Fi network, your information, while being transferred over the Wi-Fi network, may be vulnerable to an unauthorized third party interference or breach.

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6. Tap **Do not show again** if you do not want to read the warning each time.
7. Tap **OK**.
8. Tap **Share Picture**, **Share document**, or **Share Music**, then tap the file to share it.

Help

Provides access to built-in Help information.

1. From the Home screen, tap → **Help** .
2. Select a topic and follow the built-in navigation.

Internet

Open the web browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet"* on page 114.

Kies air

Kies air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. For more information, refer to *"Kies air"* on page 128.

Latitude

With Google Latitude, you can see the location of all of your friends on a map or on a list. You can also share or hide your location.

You must first set up your phone to use wireless networks to help pinpoint your location. Also, Latitude works best when Wi-Fi is enabled.

1. Log on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.
2. From the Home screen, tap → **Latitude** .
   Your location displays on the map, accurate to 40 meters.

Sharing your Location with Friends

1. From the Latitude map screen, tap **FRIENDS LIST** to display your Latitude friends. At first, only your name displays.
2. Tap .
3. Tap **Select from Contacts** or **Add via email address**.
4. Tap a contact or enter an email address and tap **Add friends**.
5. At the **Send sharing requests** prompt, tap **Yes**.
   Your friend will receive an email or text message with your location marked on a map. They will also receive instructions on how to view your location from the web or use Latitude on their phone or tablet provided it is available. Once they acknowledge your request, their location displays on your phone. They can share their location from their computer, phone, or tablet. For more information, go to http://www.google.com/latitude.
6. To view the map, tap **MAP VIEW**.

Latitude Options

- From the map display, press to display the following options:
  - **Clear Map**: allows you to remove all markings and layers from the map.
  - **Make available offline**: allows you to save a selected area to the My places folder where you can view it later.
  - **Settings**: the following Latitude options are available:
    - **Display**: allows you to display the Zoom Buttons and Scale Bar on the screen.
    - **Offline and Cache**: allows you to set options to pre-fetch map tiles when not using Wi-Fi and to clear the cache that holds the map tiles.
    - **Location settings**: allows you to manage the settings for your Background location reporting, Location history, Latitude location sharing, and Check-ins.
    - **Labs**: this is a testing ground for experimental features that aren't ready for primetime. They may change, break or disappear at any time. Click on a Lab to enable or disable it.
    - **What's New**: allows you to see the latest changes in Play Store and update your app.

– **About**: displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.

– **Feedback**: allows you to send feedback to Google.

– **Terms, Privacy & Notices**: displays the Terms and Conditions, Privacy Policy, o r Legal Notices information. Select the desired information from the pop-up menu.

- **Help**: displays the Google Mobile Help web page where you can receive help on Google Maps.

Local

Local is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and other businesses. You can also add your own locations.

1. From the Home screen, tap ➔ **Local** .
2. Tap on one of the business categories to search for a particular business.

   All of the business categories that are close to you displays.
3. Tap on a business to view the details.

   The business details such as address, phone, website, and location display. You can also see reviews from around the web and from Google users.

Maps

Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends.

Important! Before using Google Maps you must have at least an active data (3G) connection. The Maps application does not cover every country or city.

Enabling a Location Source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

1. From the Home screen, tap **Settings** → **Location services**.
2. Tap the **Use GPS satellites** field. A green displays next to the field.

Note: Selecting **Use GPS satellites** allows you to locate places of interest at the street-level. However, this also requires a clear view of the sky and uses more battery power.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Using Maps

1. From the Home screen, tap → **Maps** .
   A map displays with your location in the very center.
2. Tap **Settings** to turn on GPS and wireless networks in location settings.
3. Tap **Never show this again** if you do not want this reminder each time you access the application.
4. Press to display the following options:
   - **Clear Map**: allows you to remove all markings and layers from the map.
   - **Make available offline**: allows you to view information when not connect using Wi-Fi or an internet connection.
   - **Settings**: the following Map options are available:
     - **Display**: allows you to display the Zoom Buttons and Scale Bar on the screen.
     - **Offline and Cache**: allows you to set options to pre-fetch map tiles when not using Wi-Fi and to clear the cache that holds the map tiles.
     - **Location settings**: allows you to manage the settings for your Background location reporting, Location history, Latitude location sharing, and Check-ins.

– **Labs**: this is a testing ground for experimental features that aren't ready for primetime. They may change, break or disappear at any time. Click on a Lab to enable or disable it.

– **What's New**: allows you to see the latest changes in Play Store and update your application.

– **About**: displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.

– **Feedback**: allows you to send feedback to Google.

– **Terms, Privacy & Notices**: displays the Terms and Conditions, Privacy Policy, o r Legal Notices information. Select the desired information from the pop-up menu.

- **Help**: displays the Google Mobile Help web page where you can receive help on Google Maps.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. You can rent or purchase your favorite content and watch from the convenience of anywhere. For more information, refer to *"Media Hub"* on page 79.

Messaging

You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 100.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.

1. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12.
2. From the Home screen, tap ➔ **Messenger** .
3. For more information, refer to *"Messenger"* on page 110.

Music Hub

With Samsung Music Hub you can turn your device into a personal music manager and access, buy, and download millions of music tracks.

- From the Home screen, tap ➔ **Music Hub** .

For more information, refer to *"Music Hub"* on page 81.

Music Player

Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music Player"* on page 81.

My Files

My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location.

1. From the Home screen, tap ➔ **My files** .
2. Tap **All files** ➔ **sdcard0** to see the contents of your internal sdcard.
3. If you have an external SD card inserted, tap **extSdcard** to see the contents of your external SD card (memory card).

Note: Different folders may display depending on how the phone was configured.

Navigation

Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.

Note: For voice-guided navigation, you need to install text-to-speech support from the Play Store.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Launching Navigation

1. From the Home screen, tap ➔ **Navigation** .
2. Read the Navigation information page and tap **Accept** to continue or **Don't accept** to exit.
3. Tap **Agree** to accept the LBS License.
4. Select one of the following options:
   - **Speak destination**: allows you to speak your destination.
   - **Type destination**: allows you to use the keypad to enter your destination.
   - **Go home**: takes you to your home address. The first time you are prompted to enter it.
   - **Map**: takes you to the map location of your present location using GPS.

Navigation Options

- The map displays with your location in the center. Press for the following options:
  - **Route and alternates**: displays routes and alternate routes.
  - **Directions list**: displays various directions to the location entered.
  - **Layers**: are additional items that you can have displayed on your map. They include:
    - **Traffic view**: displays real-time traffic conditions so you can plan the fastest route.
    - **Satellite**: allows you to see you the map as a satellite image.
    - **Parking**: allows you to see registered parking areas.
    - **Gas stations**: allows you to see registered gas stations.
    - **ATMs & banks**: allows you to see registered ATMs and Banks.
    - **Restaurants**: allows you to see registered restaurants.
  - **Turn off voice**: turns off voice guidance.
  - **Exit navigation**: exits the navigation application.
  - **More:**
    - **Search**: allows you to speak or type a destination, place, or service to search for.
    - **Set Destination**: displays the Choose Destination screen where you can speak or type your destination.
    - **Settings**: includes the following options:
      - **Screen dimming**: set this option to dim the screen between instructions in order to conserve battery power.
      - **Terms, privacy & notices**: displays Terms and Conditions for Google mobile products, the Google Privacy Policy, and Google legal notices.

- **Exit Navigation**: exits the Navigation application and returns you to the Application Menu screen.
- **Help**: takes you to the Google Mobile Help web page.

Get Driving Directions

Your phone's built-in GPS hardware allows you to get real-time driving directions to selected locations or establishments based on your current location.

Using an Address

1. From the Home screen, tap → **Navigation** .
2. Tap **Speak destination** or **Type destination**.
3. If typing address, enter the address, City, and State using the keypad. As you type, addresses that match display. Tap on the address you want.

   The route displays.
4. If speaking the address, the Voice guidance screen displays. For voice-guided navigation, install text-to-speech support from the Play Store. Tap **Install** to install the application or tap **Skip** to exit.

Note: Sign on to your Google account before downloading applications from the Play Store. For more information, refer to *"Creating a New Google Account"* on page 12.

5. As you drive the route display is updated and you receive voice-guided navigation directions.

Paper Artist

This graphic application provides a user with the ability to start from either an empty canvas or by importing a picture from your Gallery or as a new image.

- From the Home screen, tap → **Paper Artist** and follow the on-screen instructions.

Phone

The Phone application allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 48.

Play Books

With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.

1. From the Home screen, tap → **Play Books** .

2. Log on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.
3. Follow the on-screen instructions for using the Play Books application.

Play Magazines

With Google Play Magazines, you can subscribe to your favorite magazines and have them available to read on your phone at any time or any place.

1. From the Home screen, tap → **Play Magazines** .
2. Log on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.
3. At the Welcome! display, tap the shop icon to browse the full catalog.
4. Read the Google Play Terms of Service and tap **Accept**.
5. Sweep the screen to the left or right to view Categories, Featured, Top Selling, and New Arrivals.
6. Tap a magazine to see more information and subscribe.

Play Movies & TV

With Google Play Movies & TV, you can rent thousands of different movies. You can watch instantly, or download your movie for offline viewing at a later time. For more information, refer to *"Play Movies & TV"* on page 88.

Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *"Google Play Music"* on page 84.

Play Store

Play Store provides access to downloadable applications and games to install on your phone. Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Play Store you must have a Google Account. For more information, refer to *"Using Gmail"* on page 108.

1. From the main Home screen, tap **Play Store** .
2. Sign in to your Google account.

3. The first time you sign in, the Play Store Terms of Service displays. Tap **Accept** to continue or **Decline** to exit.
4. Tap **Apps**, or **Games** to download or purchase games or applications. You can also download updates to existing applications.
5. Follow on the on-screen instructions.

Polaris Office 4.0

Polaris® Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline.

The application can also open Adobe PDF (Portable Document Format) files.

1. From the main Home screen, tap ➔ **Polaris Office 4.0**.
2. Enter your Email information (if desired) and touch **Done** to complete the process.

   – or –

   Touch **Skip** to ignore this registration.

   The main Polaris Office screen displays.

S Note

The S Note application allows you to create notes. Choose a template, then add images, voice recordings, and text all in one place.

Creating a New Note

1. From the Home screen, tap ➔ **S Note**.

   The S Note screen displays.
2. Tap **OK** to remove the Learn about application pop-up.

Note: Tap **Menu** ➔ **Tutorial** from the main S Note screen to learn more about the application.

S Suggest

This application provides on-screen recommendations for applications that are specifically supported and made for use on your device.

Note: Access to this feature requires that you already be logged in to your Samsung account application. For more information, refer to *"Creating a Samsung Account"* on page 11.

1. From the Home screen, tap ➔ **S Suggest**.
2. Read the terms and conditions.
3. Place a check mark in the **Agree** field then tap **Agree**.
4. Select an application from one of the available categories (Picks, Categories, Games, Friends, and Info.
5. Follow the on-screen download and installation instructions.

S Voice

With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc.

1. From the Home screen, tap ➔ **S Voice** .
2. Read the Samsung Disclaimer then tap **Confirm** to continue.
3. Read the S Voice Terms of Service then tap **Agree** to continue.
4. Read the information on the following screens then tap **Next**: **Say what you want**, **Wake up S Voice**, **Handwriting**, **Edit what you said**, **Help**, or **What would you like to do?**.
5. At the S Voice screen, say “Hi Galaxy” to wake up S voice.
6. Speak into the phone and follow the on-screen instructions.

Samsung Apps

Allows you to easily download applications such as games, news, reference, social networking, and navigation to your device. Samsung Apps makes your Smartphone smarter.

Note: You must login to your Samsung account to use this feature.

1. From the Home screen, tap ➔ **Samsung Apps** .
2. Read the disclaimer and agree to the information.
3. Follow the instructions.

Settings

This widget navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *“Changing Your Settings”* on page 158.

Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Google Talk"* on page 110.

Video Player

The Video Player application plays video files stored on your memory card. For more information, refer to *"Video Player"* on page 85.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using AllShare Play, Messaging, Gmail, or via Bluetooth. Recording time will vary based on the available memory on the phone.

1. From the Home screen, tap ➔ **Voice Recorder** .
2. Tap **Record** to start recording and speak into the microphone.
3. During the recording process you can either tap **Stop** to stop and save the recording or **Pause** to temporarily halt the recording. After pausing, tap **Record** to resume recording. Once the audio recording has stopped, the message is automatically saved. Tap **Cancel** to cancel the recording without saving.
4. Tap **List** to display a list of all your voice recordings. Tap a voice recording to play it.
5. Press to display the following options:
   - **Share via**: allows you to share your recording using Bluetooth, Email, Gmail, Group Cast, Messaging, or Wi-Fi Direct.
   - **Delete**: allows you to delete 1 or more voice recordings. Tap the recordings to delete and tap **Delete**.
   - **Settings**: the following settings are available:
     - **Storage**: allows you to choose where your recordings will be saved. Select between Phone or memory card.
     - **Recording quality**: allows you to set the recording quality to High or Normal.

– **Limit for MMS**: allows you to select On or Off. If you Limit for MMS by selecting On, you will be assured that the recording can be sent in a message.

– **Contextual filename**: turn on GPS tag and connect to the network to use this. Choose a name prefix within context of the type of recording.

– **Default name**: allows you to choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, Voice 003, etc.

- **End**: ends recording and closes the application.

Voice Search

Launches the Google Now application that is used for voice to text Internet searching.

1. From the Home screen, tap ➔ **Voice Search** .
2. When prompted, speak into the built-in microphone.
3. Use the on-screen options to find a matching search term.

VPN Client

VPN Client provides support for the latest IPSec VPN standards and provides interoperability with support for all major VPN Gateways.

1. From the Home screen, tap ➔ **VPN Client** .
2. Follow the instructions to configure the VPN Client.

YouTube

YouTube™ is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content, including movie clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts and other original videos.

Note: YouTube is a data-intensive feature. It is recommended that you upgrade to a large data plan to avoid additional data charges.

1. From the Home screen, tap ➔ **YouTube** .

2. Tap the search field to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.
3. To view a video, tap an available preview thumbnail or tap the title link.
4. If you prefer high quality video, as the video starts to play, tap **HQ**.
5. Tap to go to your camcorder so you can take your own videos. For more information, refer to *"Using the Camcorder"* on page 96.

Note: It is not necessary to sign in to the YouTube site to view content. However, if you wish to sign in to access additional options, access the page via the Web browser and tap **Sign in** at the top right corner, enter your YouTube or Google username and password, and tap **Sign in**.

Section 10: Changing Your Settings

This section explains the settings used for customizing your device.

Accessing Settings

- From any Home screen, tap ➔ **Settings**.

  – or –

  From any Home screen, press ➔ **Settings**.

  The Settings screen displays.

Wi-Fi Settings

This section describes the Wi-Fi settings. For information on how to use Wi-Fi, see *"Wi-Fi"* on page 120.

Activating Wi-Fi

1. From the Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON .
3. Tap **Scan** to scan for available Wi-Fi networks. For more information, refer to *"Connect to a Wi-Fi Network"* on page 121.

Advanced Wi-Fi Settings

The advanced Wi-Fi settings allow you to set up and manage wireless access points.

1. From the Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.
2. Tap ➔ **Advanced**.

   The following options are available:

   - **Network notification**: alerts you when a new WAP is available.
   - **Keep Wi-Fi on during sleep**: allows you to specify when to disconnect from Wi-Fi.
   - **Check for Internet service**: Checks if Wi-Fi internet service is available when connected to an AP (Access Point).
   - **MAC address**: view your device's MAC address, required when connecting to some secured networks (not configurable).
   - **IP address**: view your device's IP address.

Network Notification

When Wi-Fi is turned on, notifications display in the Status bar.

1. From any Home screen, tap ➔ **Settings** ➔ **Wi-Fi** ➔ **Advanced**.
2. Tap **Network notification**. A check mark indicates activation.

Wi-Fi on During Sleep

Because the default setting for this feature is set to Always, when your phone enters sleep mode, you maintain the Wi-Fi connection. When you select Always, you conserve data use because the phone is not searching for a signal and battery usage is reduced.

If Never is selected, data usage increases because the phone continues to search for a signal even during sleep mode.

1. From any Home screen, tap ➔ **Settings** ➔ **Wi-Fi** ➔ **Advanced** ➔ **Keep Wi-Fi on during sleep**.
2. Select one of these options:
   - **Always**: maintains an active Wi-Fi connection during sleep mode.
   - **Only when plugged in**: maintains an active Wi-Fi connection only when the device is plugged in to a power supply.
   - **Never (increases data usage)**: shuts off the Wi-Fi connection during sleep and uses the network connection during sleep mode.

Check for Internet Service

When enabled, you can check for Wi-Fi Internet access when connected to a WAP (Wireless Access Point).

1. From any Home screen, tap ➔ **Settings** ➔ **Wi-Fi** ➔ **Advanced**.
2. Tap **Check for Internet service**. A check mark indicates activation.

Viewing Wi-Fi Address Information

- From any Home screen, tap ➔ **Settings** ➔ **Wi-Fi** ➔ **Advanced**.

  The MAC Address and IP Address information display.

  - **MAC address**: displays the phone's MAC address. This address is required when connecting to a secure network.
  - **IP address**: displays the phone's IP address.

WPS Push Button

The WPS (Wi-Fi Protected Setup) feature (sometimes paired a physical or on-screen button on most WAPs) allows you to pair your device and WAP without entering a passcode.

When the WPS feature is activated, your phone can detect and pair with a WAP.

To pair the phone using WPS

1. Follow the instructions provided with your Wireless Access Point.
2. From the Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.
3. Press ➔ **WPS push button**.
4. When the connection completes, look for the router connected message displayed on the screen.

WPS PIN Entry

When a WPS Push Button does not work you can use a device-generated PIN number to establish the connection. Enter the generated PIN in the WAPS WPS client PIN field to complete the connection.

1. From the Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.
2. Press ➔ **WPS PIN entry**.
3. Enter the generated PIN number into your Wi-Fi router's client PIN field.
   When connected the router displays in the Wi-Fi list.

Wi-Fi Direct

You can configure your phone to directly connect with other Wi-Fi devices. Wi-Fi direct allows you to transfer larger amounts of data between devices.

Other devices must be enabled for Wi-Fi Direct.

Note: Activating this feature disconnects any established Wi-Fi connection.

Connecting

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON .
3. Tap **Wi-Fi Direct**.
4. Tap Scan and select the device name in which to connect.
   – or –

5. Tap **Multi-connect** ➔ **Scan** and select all the devices in which to connect.

Note: The target device must enable Wi-Fi Direct service before your phone will connect to it.

6. Tap **Done** to establish the connection.
7. The operator of the other connection must tap **OK** when prompted to complete the connection.

Uniquely Naming a Wi-Fi Direct Connection

It is easier to recognize and connect to a device when the device is labeled with a name. This procedure allows you to provide a unique name for each connection.

1. From the Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.
2. Press ➔ **Wi-Fi Direct**.
3. Tap the connection to rename, then press ➔ **Rename device**.
4. Enter a new name for this device and tap **OK**.

Bluetooth settings

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair.

Turning Bluetooth On

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON ON. The Bluetooth icon displays.

Renaming a Bluetooth Device

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of Bluetooth to turn **Bluetooth** ON ON.
3. Tap the device to rename, then press ➔ **Rename device**.
4. Enter a new name for this device then tap **OK**.

Setting the Visible Timeout Values

Each time you pair your phone with another Bluetooth-enabled device, you have a limited amount of time before the connecting device can “discover” you. Here you set the amount of time the other device has to connect with you before your phone times out.

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of Bluetooth to turn **Bluetooth** ON .
3. Tap a device in the list (a device you connect with), then press ➔ **Visible time-out** and select a time-out value. Selections are: **2 min**, **5 min**, **1 hour**, or **Never timeout**.

   Each time you connect with this device the time-out values are the same (until changed).
4. Tap the check box next to **SCH-R950** if you do not want your phone visible to other Bluetooth devices.

Viewing Received Files

You can view the files received from any Bluetooth enabled device that displays on the Bluetooth screen.

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of Bluetooth to turn **Bluetooth** ON .
3. Touch a listed device, then press ➔ **Received files**. The files received from this device display.

Scanning and Connecting to Devices

Scanning locates and displays the available Bluetooth-enabled devices so you can pair with them.

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of Bluetooth to turn **Bluetooth** ON .
3. Tap **Bluetooth** ➔ **Scan**. The phone begins scanning and displays other Bluetooth-enable devices.

Important! Some secured Bluetooth devices require a PIN number in order to pair with them.

4. Enter the connecting devices required PIN number, then tap **OK**.

Sharing and Transferring Files

This section describes ways that you can share and transfer data on your device to other people and devices.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam.

To activate NFC, follow these steps:

1. From the Home screen, tap ➔ **Settings** ➔ **More Settings**.
2. Tap the ON/OFF slider, located to the right of the NFC field, to turn NFC ON

.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music Player, and more.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **S Beam**.
2. Tap the **OFF / ON** icon to turn S Beam on

.
3. Touch the back of your device with another NFC-capable device and the content transfers.

Nearby devices

This option allows you to share your media files with nearby devices using DLNA and connected to the same Wi-Fi.

1. Connect to a Wi-Fi network. For more information, refer to *"Activating Wi-Fi"* on page 158.
2. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Nearby devices**.
3. Verify Wi-Fi Direct is enabled and you are paired with the device in which to share content.
4. Tap **File sharing**, then tap **OK** to connect to Wi-Fi. The **Nearby devices** icon should display at the top of the screen.
5. Tap **Shared contents**, then check the media to share and tap **OK**.
6. Tap **Device name**, then use the on-screen keyboard to change the name that displays and tap **Save**.
7. Tap **Allowed devices list**, then select the connected devices to allow.

8. Tap **Not-allowed devices list**, then select the connected devices that are not allowed.
9. Tap **Download to**, then select the destination of any downloaded (shared) content. Choose from Device or SD card.
10. Tap **Upload from other devices**, then select the actions your device takes when you upload content from other devices. Selections are: Always accept, Always ask, or Always reject.

AllShare Cast

With AllShare Cast, you can wirelessly share your phone's screen with Wi-Fi-enabled TV using the AllShare Cast Hub accessory.

1. Confirm you have already logged in to your Samsung account. There should be no icon in the Notifications area of the screen.
2. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **AllShare Cast**.
3. Tap the **OFF / ON** icon to turn AllShare Cast on .
4. Make sure you and the device you want to share with are connected to the same Wi-Fi network. For more information, refer to *"Connect to a Wi-Fi Network"* on page 121.

   Your phone automatically scans for other compatible devices.
5. Follow the on-screen instructions to connect with the TV.

Note: This feature allows a connection between your phone and the optional AllShare Cast Hub, via a shared Wi-Fi connection. The AllShare Cast Hub then allows the communicating TV to mirror what is being shown on the phone's display.

Kies via Wi-Fi

Kies via Wi-Fi allows you to sync your PC wirelessly with your device provided they are both on the same Wi-Fi network. You can view and share videos, photos, music, ringtones, and more.

1. From your PC, download the Samsung Kies application if you don't already have it. You can find it at samsung.com.
2. From your PC, launch the Samsung Kies application.
3. From your PC, connect to a Wi-Fi network.
4. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Share and transfer** ➔ **Kies via Wi-Fi**.
5. From your device, connect to the same Wi-Fi network that your PC is connected to if you have not already done so. For more information, refer to *"Connect to a Wi-Fi Network"* on page 121.

More settings

This option displays additional Connectivity information.

1. From the Home screen, tap ➔ **Settings**.
2. Tap **More settings** located under the Connectivity heading.

   Options display for Airplane mode, Mobile networks, Tethering and portable hotspot, and VPN.

Airplane mode

Airplane mode allows you to use many of your phone's features, such as Camera, Games, and more, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

Important! When your phone is in Airplane Mode, it cannot send or receive any calls or access online information or applications.

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1. From the Home screen, tap ➔ **Settings**.
2. Tap **More settings** located under the Connectivity heading.
3. Tap **Airplane mode**. A check mark displayed next to the feature indicates Airplane mode is active.
4. At the **Airplane mode** prompt, tap **OK**.

   The Airplane mode icon displays at the top of your screen.

Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

Mobile data

To enable data access over the mobile network, this option must be selected. It is set on by default.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Mobile data** to activate the feature.

Data Roaming

Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Data roaming** to activate the feature.

Network Mode

Your phone can automatically detect and use an LTE/CDMA or CDMA connection.

- From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks** ➔ **Network mode**.

System Select

Configures the CDMA roaming mode.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks** ➔ **System select**.
2. Select one of the following options:
   - **Home only**: Restricts your phone to your Wireless Provider's network.
   - **Automatic**: Permits your phone to automatically roam to networks other than that provided by your Wireless Provider.

Tethering & portable hotspot

This option allows you to share your phones's mobile data connection via USB, Bluetooth, or as a portable Wi-Fi hotspot.

USB tethering

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Tethering and portable hotspot**.
2. Connect your phone to your PC using a USB cable.
3. Tap **USB tethering** to activate the feature. The USB tethering icon displays at the top of the screen.

Bluetooth tethering

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Tethering and portable hotspot**.
2. Tap Bluetoeoth tethering to activate the feature. The Bluetooth icon displays at the top of the screen.

Portable Wi-Fi hotspot

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Tethering and portable hotspots** ➔ **Portable Wi-Fi hotspot**.
2. Turn Portable Wi-Fi hotspots on by tapping the slider so that it changes to the ON position .
   The Portable Wi-Fi hotspot icon displays at the top of your screen.
3. Tap **Configure** at the bottom of the screen.
4. Enter or edit the Network SSID, Hide my device, Security setting, and Password.
5. Tap **Show password** and **Show advanced options** to see them displayed.
6. Tap **Save**.
7. Press for the following options:
   - **Timeout settings**: allows you to set the time your device will be available as a portable Wi-Fi hotspot.
   - **Help**: provides additional information.

Connecting to Portable Wi-Fi hotspot from other devices

1. Activate Wi-Fi on the device that wants to connect to your phone.
2. Find **[SCHR950_xxxx]** in the Wi-Fi network list and connect to it. XXXX are four randomly generated digits that displays when you set up a Portable Wi-Fi hotspot on your device.
   The connected device can now use internet through your Portable Wi-Fi hotspot.

Note: Activating Wi-Fi and connecting to your phone will be different depending on the type of the other device.

Configuring Portable Wi-Fi Hotspot

1. From the **Settings** screen, under **Wireless and network**, touch **More settings** ➔ **Tethering and portable hotspot** ➔ **Portable Wi-Fi hotspot**. The **Portable Wi-Fi hotspot** screen displays.

2. Touch **Configure** to access the following options:
   - **Network SSID**: View and change the name of your Mobile Hotspot.
   - **Hide my device**: When enabled, your Portable Wi-Fi Hotspot is not visible to other Wi-Fi devices during a scan. Other devices can still connect to your Portable Wi-Fi Hotspot, but will have to set up the connection manually with your Network SSID and Password.
   - **Security**: Choose the security level for your Portable Wi-Fi Hotspot.
   - **Password**: If you choose a security level that uses a password, enter the password. By default, the password is your mobile telephone number.
   - **Show password**: Enable to make the Password field visible.
   - **Show advanced options**: Enable to access advanced options, including Broadcast channel, to specify the channel your device uses for Portable Wi-Fi Hotspot.

Help

- From the **Tethering and portable hotspot** menu, press → **Help** for additional information

Location services

Location services control your device's use of GPS signals. Some apps may require one or more location services be turned On for full application functionality.

GPS signals may be affected by your surroundings, including:

- Buildings
- Tunnels or underground structures
- Weather conditions
- High-voltage or electromagnetic fields
- Tinted windows

Google location services must be enabled to use some applications.

1. From the **Settings** screen, under **Personal**, touch **Locations services**. The **Location services** screen displays.
2. Touch the following options to enable/disable them. (When an option is enabled, a checkmark displays in its check box.):
   - **Use wireless networks**: allows applications to use data from mobile networks and Wi-Fi to help determine your location.

- **Use GPS satellites**: allows applications to use GPS to pinpoint your location.

Note: Use GPS satellites must be enabled to use some applications. You can also enable or disable **GPS** from the Notifications panel. For more information, refer to *"Notification Bar"* on page 44.

Important! By selecting **Use GPS satellites**, you are allowing access to all location information by any third party through web access or any software or peripheral components you choose to install, download, add, or attach to the device or any other means.

- **Location and Google search**: allows Google to use your location data for improved search results and other services.

Important! By selecting **Location and Google search**, you are allowing Google's location service to collect anonymous location data. Some data may be stored on your device. Collection may occur even when n o apps are running.

VPN

Use the VPN settings menu to set up and manage Virtual Private Networks (VPNs).

Note: You must set up a screen unlock PIN or password in order to use a VPN.

Adding a VPN

1. From the Home screen, tap ➔ **Settings** ➔ **Wireless and network** ➔ **More settings** ➔ **VPN**.
2. Touch **Add VPN network** to set up a connection to a VPN, using the following settings:
   - **Name**: Enter a name for the VPN connection.
   - **Type**: Choose the type of VPN from the drop-down list.
   - **Server address**: Enter the IP address of the VPN server.
   - **PPP encryption (MPPE)**: Touch to enable or disable encryption.
   - **Show advanced options**: Touch to show more options. Available options depend on the type of VPN you are adding.

Connecting to a VPN

1. From the Home screen, tap ➔ **Settings** ➔ **Wireless and network** ➔ **More settings** ➔ **VPN**.
2. Touch the VPN in which to connect.
3. Enter credentials when prompted.
4. Tap **Connect**.

Deleting a VPN

1. From the Home screen, tap ➔ **Settings** ➔ **Wireless and network** ➔ **More settings** ➔ **VPN**.
2. Press and hold the VPN to delete, then tap **Delete network**.

Personalization

You can personalize your phone with sound options, display configuration, locking or unlocking the screen, or using the Home screen mode.

- From the Home screen, tap ➔ **Settings**, and then selecting one of the following settings.

Sound Settings

Sound

- From the Home screen, touch ➔ **Settings** ➔ **Sound**.

Adjusting the Volume

Set the system volume level, and set default volume for call ringtones, notifications, and media playback.

Note: You can also set System volume from the Home screen by pressing the **Volume** key Up or Down.

1. From the Home screen, touch ➔ **Settings** ➔ **Sound** ➔ **Volume**. The **Volume** menu displays.
2. Touch and drag the sliders for:
   - **Music, video, games, and other media**: Set the default volume level for audio playback. You can also adjust volume from this default inside the apps.
   - **Ringtone**: Set the volume for incoming call ringtones.
   - **Notifications**: Set the volume for notifications, such as new messages and event reminders.
   - **System**: Set the volume for all other system sounds, such as keytones played for screen touches. You can control whether tones play for screen touches with other sound settings.
3. Touch **OK** to save your settings.

Vibration intensity

Set the level for vibration to accompany ringtones and notifications.

1. From the Home screen, touch ➔ **Settings** ➔ **Sound** ➔ **Vibration intensity**. The **Vibration intensity** menu displays.
2. Touch and drag the sliders for:
   - **Incoming call**: Set the vibration level for incoming call ringtones.
   - **Notification**: Set the vibration level for notifications, such as new messages and event reminders.
   - **Haptic feedback**: Set the vibration level vibrations to accompany screen touches.
3. Touch **OK** to save your settings.

Setup the Device ringtone

This option allows you to set the ringtone.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound** ➔ **Device ringtone**.
2. Tap a ringtone and tap **OK**.

   – or –

   Tap **Add** to add a custom ringtone and tap **OK**.

Setup the Device vibration

This option allows you to set your phone to vibrate and ring.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound** ➔ **Device vibration**.
2. Select a vibration pattern and tap **OK**.

   – or –

   Tap **Create** to create a custom vibration sound.

Setup the Default notifications

This option allows you to set the ringtone that will sound for notifications and alarms.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound** ➔ **Default notifications**.
2. Tap a ringtone and tap **OK**.

Setup the Sound and vibration

This option allows you to enable all sounds and vibrations.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound**.
2. Tap **Sound and vibration** to enable the feature.

System Tone Settings

The System tone settings are used when you use the dialing pad, make a screen selection, lock your screen, or tap the screen.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound**.
2. Tap any of the following options to activate the feature:
   - **Keytones**: makes a sound when you tap a key on the keyboard.
   - **Touch sounds**: makes a sound when you touch the screen.
   - **Screen lock sound**: makes a sound when your screen is locked or unlocked.
   - **Haptic feedback**: makes a vibration when you tap soft keys and on certain UI interactions.
   - **Emergency tone**: turns the emergency tone off, sounds a tone, or vibrates when you receive an emergency message.

Display Settings

In this menu, you can change various settings for the display.

Adjusting the Screen Display

- From the Home screen, tap ➔ **Settings** ➔ **Display**.

The following options display:

- **Wallpaper**: assigns a wallpaper for the Home screen, Lock screen, or both.
- **LED indicator**: allows you to turn on your LED lights for charging, low battery, incoming notifications, and voice recording. By default the light turns on unless you turn them off.
- **Page buddy**: allows you to create context related pages on the Home screen. You can select S Pen page, Earphones page, Docking page, and Roaming page. Tap Page buddy help for more information.
- **Screen mode**: allows you to select from several different color modes.Home screen.
- **Brightness**: configures the LCD Brightness levels. Tap Automatic brightness to allow the phone to self-adjust or drag the slider and tap OK.
- **Auto-rotate screen**: allows you to switch the display orientation automatically when you rotate the phone.
- **Screen timeout**: adjusts the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 2 minutes, 5 minutes, and 10 minutes.

- **Smart rotation**: disables the auto screen rotation by checking the orientation of your face and the device.
- **Smart stay**: disables the screen timeout if your phone detects that your face is watching the screen.
- **Font style**: allows you to set the font style that your phone will use. You can also tap Get fonts online to choose from a wider selection.
- **Font size**: allows you to select which size of font displays.
- **Touch key light duration**: allows you to adjust the delay before the Touch key light automatically turns off.
- **Display battery percentage**: allows you to see the battery charge percentage next to the battery charge icon at the top of the display.
- **Auto adjust screen tone**: allows you to save power because the phone analyzes the displayed screen image and adjusts the LCD brightness.

Assigning a Wallpaper

You can change the Wallpaper (background) of your home screens by following these steps:

1. From any Home screen, touch and hold on an empty area of the screen.

   The **Home screen** window displays.
2. Tap the location where you would like to change the wallpaper: **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Tap one of the following options:
   - **Gallery**: select a wallpaper from photographs you have taken with your camera.
   - **Live wallpapers**: select an animated wallpaper. This option is not available for the Lock screen option.
   - **Wallpapers**: select from many still-life wallpapers.
4. Select a wallpaper and tap **Set wallpaper**, **Done**, or **Cancel**.

LED indicator

This option allows you to turn on your LED lights for charging, missed events, and incoming notifications. The light will turn on by default unless you turn them off.

1. From the Home screen, tap ➔ **Settings** ➔ **Display** ➔ **LED indicator**.

2. Tap the following LED indicator options to turn them on or off:
   - **Charging**: LED lights up when the device is connected to the charger.
   - **Low battery**: LED lights up when the battery level is low.
   - **Notifications**: LED lights up when you receive notifications.
   - **Voice recording**: LED lights up when the screen is off.

Page buddy

Page buddy shares context related pages on the Home screen.

1. From the Home screen, tap ➔ **Settings** ➔ **Display**.
2. Tap the ON/OFF slider, located to the right of Page buddy, to turn Page buddy ON .
3. Tap **Page buddy** and tap each of the pages in which to share context. Pages are: page, Earphones page, Docking page, and Roaming page.
   A checkmark indicates selection.

Setting the Screen Mode

Screen mode offers pre-configured screen modes (or profiles) that set the brightness, contrast, and more just by selecting the mode type. For example, if you select Movie, the screen brightness dims and the colors are less vibrant.

1. From the Home screen, tap ➔ **Settings** ➔ **Display**.
2. Tap **Screen mode** and select one of the modes: **Dynamic**, **Standard**, **Natural**, or **Movie**.

Displaying the Battery Percentage

1. From the Home screen, tap ➔ **Settings** ➔ **Display**.
2. Tap **Display battery percentage**. The battery percentage displays beside the battery in the status bar.

Lock Screen Settings

Choose settings for unlocking your screen. For more information about using the lock and unlock features, REF Lock and unlock see *“Locking and Unlocking the Touch Screen”* on page 11.

Screen security

Choose settings for locking and unlocking your phone.

1. From the Home screen, tap ➔ **Settings** ➔ **Lock screen**.
2. Tap **Screen lock** for these options:
   - **Swipe**: Swipe the screen to unlock it.
   - **Motion**: While tapping and holding the screen, tilt the device forward to unlock.
   - **Face unlock**: Look at your phone to unlock it.
   - **Face and voice**: Look at your phone and speak to unlock.
   - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
   - **PIN**: Select a PIN to use for unlocking the screen.
   - **Password**: Create a password for unlocking the screen.
   - **None**: No pattern, PIN, or password is required. The screen will never lock.

Lock screen options

Using these options you can activate or deactivate various Unlock screen functions.

The Lock screen options are only available when the Screen lock option is set to **Swipe** or **Motion**.

Important! When the **Popup Note on lock screen** option is enabled, the device displays a on-screen Popup Note when the lock screen displays. This option only displays when a screen lock option is active.

1. From the Home screen, tap ➔ **Settings** ➔ **Lock screen** ➔ **Lock screen options**.

   Select from the following options:

   - **Shortcuts**: sets shortcuts to display at the bottom of the Lock screen.
   - **Information ticker**: sets the news and stock information ticker to appear across the bottom of the Lock screen. Touch and slide the slider to the right to turn it on .
   - **Clock**: allows you to display the digital clock while the Lock screen is active. Enabled by default.

- **Dual clock**: displays a set of dual digital clock on the Lock screen while you are traveling. Tap the entry to set your home city. This time zone then becomes the time used by one of these on-screen clocks. Touch and slide the slider to the right to turn it on ON.
- **Weather**: displays the current area weather on the Lock screen. Touch and slide the slider to the right to turn it on ON. Tap and set both the temperature units (F or C) and a refresh time.
- **Ripple effect**: activates/deactivates the ripple effect on the lock screen when you tap it.
- **Ink effect**: activates/deactivates the ripple effect on the lock screen when you tap it.
- **Help text**: activates/deactivates the ripple effect on the lock screen when you tap it.
- **Camera quick access**: provides you with quick access to the camera function from the Lock screen. When this option is activated, touch and hold the lock screen while rotating the device to the landscape position then release the screen. Touch and slide the slider to the right to turn it on ON.
- **Wake up in lock screen**: requires that you say a command to wake-up S Voice.
- **Set wake-up command**: designates your S Voice wake-up commands. Tap Wake-up S Voice and follow the prompts to create a new verbal command.
- **Popup Note on lock screen**: activates Popup Note on the lock screen.

Owner Information

This option allows you to show owner information on the lock screen. You can also enter text to display on the lock screen.

1. From the Home screen, tap ➔ **Settings** ➔ **Lock screen** ➔ **Owner information**.
2. Enter the text to display on the lock screen.
3. Tap the **Show owner info on lock screen** check box if you want the owner information to display and tap **OK**.

Home screen mode

Home scene mode allows you to set your display to the conventional layout of **Basic mode** or provide an easier user experience for the first-time smartphone users using **Easy mode**.

1. From the Home screen, tap ➔ **Settings** ➔ **Home screen mode**.
2. Tap the pull-down menu and select one of the following options:
   - **Basic mode**: provides conventional layout for the apps and widgets on your home screens.
   - **Easy mode**: provides easier user experience for first-timewww.google.com smartphone users on the home screens.
3. Tap **Apply**.

Blocking mode

When enabled, notifications for selected features are disabled. You only receive notifications of incoming calls from people on the allowed list.

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of Block mode, to turn Blocking mode ON .
3. Tap next to each feature to enable. Selections are: Diable incoming calls, Disable notifications, Disable alarm and timer, and Disable LED indicator.
4. Tap the Always field to disable it and configure the **From** and **To** time fields. This configures a timeframe for the features listed in step 3.
5. Tap **Allowed contacts** to assign contacts that are exempted from these rules. Choose from **None**, **All contacts**, **Favorites**, or **Custom**.

Touch key light duration

This option allows you to adjust the delay before the Touch key light automatically turns off.

1. From the Home screen, tap ➔ **Settings** ➔ **Display** ➔ **Touch key light duration**.
2. Tap one of the Touch key light durations.

Data Usage

From this screen you can monitor your Mobile data usage and turn your Mobile data capability On or Off.

1. From the Home screen, tap ➔ **Settings** ➔ **Data usage**.
2. Tap **Mobile data** to activate Mobile data usage.

3. Tap **Set mobile data limit** to set a data limit.
4. Configure the mobile data limit by touching and dragging the limit and warning lines on the graph.
5. Tap the **Data usage cycle** drop-down menu and select a date.

   The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of how much data was used per application.

Note: Data is measured by your device. Your service provider may account for data usage differently.

6. Press to display additional options. Tap to activate.
   - **Data roaming**: enables Data roaming on your device.
   - **Restrict background data**: restricts some apps and services from working unless you are connected to a Wi-Fi network.
   - **Auto sync data**: allows the device to automatically sync information and updates with your various services.
   - **Show Wi-Fi usage**: displays a Wi-Fi tab that shows Wi-Fi usage.
   - **Mobile hotspots**: allows you to select available Wi-Fi networks that serve as mobile hotspots. Place a checkmark on the entries to use.

Device Storage

From this menu you can view the memory allocation for the memory card as well as mount or unmount the SD card.

To view memory allocation:

- From the Home screen, tap ➔ **Settings** ➔ **Storage**.

  The available memory displays under the Total space heading.

For more information about the memory card, see *"Memory Card"* on page 46.

Battery Usage

This option allows you to view a list of components that use battery power. The amount of time the battery was used also displays.

1. From the Home screen, tap ➔ **Settings** ➔ **Battery**.

   The battery level displays in percentage.

2. Tap Refresh to update the list.
– or –
Tap an entry to view more detailed information.

Application Manager

The Application Manager displays both downloaded applications, and allows yo to view and control currently running services.

1. From the Home screen, tap → **Settings** → **Application manager**.
The **Downloaded** applications tab displays all the applications downloaded to the device.
2. Tap the **RUNNING** tab to view all currently active and running applications. This tab also shows the total RAM used by these currently active applications.
3. Tap a process and select **Stop** to end the process and stop it from running. When you stop the process the service or application will no longer run until you start the process or application again.
4. Tap **Report**, then enter your feedback and tap **Send** to deliver the feedback.

Storage Used

1. From the Home screen, tap → **Settings** → **Application manager**.
The **Downloaded** applications tab displays all the applications downloaded to the device.
2. Tap the **ALL** tab to display all available applications.
3. Press then tap **Sort by size** to change the current list to show items based on the amount of storage they occupy.

Reset Application Preferences

This feature provides you with the ability to rest all preferences for the following features: Disabled apps, Disabled application notifications, Default applications for actions, and Background data restrictions.

1. From the Home screen, tap → **Settings** → **Application manager**.
The **Downloaded** applications tab displays all the applications downloaded to the device.
2. Tap the **ALL** tab to display all available applications.
3. Press then tap **Reset app preferences** → **Reset apps**.

Power Saving

This feature allows you both automatically set the phone to use a power saving mode and configure additional power saving options manually, all in an effort to conserve battery power.

1. From the Home screen, tap ➔ **Settings** ➔ **Power saving**.
2. Tap the ON/OFF slider, located to the right of Power saving, to turn Power saving ON .
3. Tap **Power saving** and tap the type of power to conserve. A checkmark indicates selection.
   - **CPU power saving**: allows you to limit the maximum performance of the CPU.
   - **Screen power saving**: allows you to lower the screen power level.
   - **Background color**: allows you to change the background color on email and internet to save power.
   - **Turn off haptic feedback**: allows you to turn off vibration when you tap or touch the screen.
4. Tap **Learn about power saving** to view additional information about conserving power.

More settings Settings

This tab displays additional wireless and network information.

- From the Home screen, tap ➔ **Settings** ➔ **More settings**.

  Options display for Airplane mode, Mobile networks, Tethering and portable hotspot, VPN, NFC, S Beam, Nearby devices, AllShare Cast, and Kies via Wi-Fi.

Synchronizing Accounts

Select the items you want to synchronize on your account such as Books, Calendar, Contacts, and more.

1. From the Home screen, tap ➔ **Settings**.
2. Scroll to the Accounts area and tap an account name.
3. Tap the account name.
4. Tap **Sync now** to synchronize the account or tap **Sync all** to synchronize all your accounts. Tap **Cancel** sync to stop the synchronization.

Voice Settings

S Voice Settings

This menu allows you to set the speech settings for Voice input.

1. From the Home screen, tap ➔ **S Voice**.
2. Press ➔ **settings** to access the settings associated with the S Voice application.
3. Select one or more of the following settings:
   - **Language**: Choose a language for your voice input.
   - **Open via the home key**: Opens S Voice by double pressing the Home key.
   - **Use location data**: Uses your current location to improve accuracy.
   - **Hide offensive words**: Hides potentially offensive words with asterisks.
   - **Help**: Displays S Voice guides for Wake up S Voice and Say what you want. Also displays voice commands.
   - **About**: Displays S Voice version information, Terms of Service, and Privacy Policy.
   - **Control apps**: Allows you to use voice commands to control the device.
   - **Auto-start speaker**: Turns on the speaker when you use S Voice to make a call.
   - **Show body of message**: Displays message content when new messages arrive while set to Driving mode.
   - **Wake up command**: Allows you to say a wake up command to automatically wake up the phone to listen to your voice command.
   - **Wake up in lock screen**: Uses the wake-up command when you use swipe unlock.
   - **Set wake-up command**: Sets the wake up command function.
   - **Check missed events**: Checks missed events when headset mode is enabled.
   - **Home address**: Configures your home address.
   - **Log in to Facebook**: Allows you to use a voice command to login to Facebook.
   - **Log in to Twitter**: Allows you to use a voice command to login to Twitter.

Configuring Text-to-speech

This feature allows the device to provide a verbal readout of on-screen data such as messages and incoming caller information. This action is called TTS (Text To Speech).

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap **Text-to-speech output** and select **Google Text-to-speech Engine** or **Samsung TTS**.
3. Tap next to the preferred TTS engine configure the following settings:
   - **Language**: allows you to set the language for spoken text.
   - **Settings for Google Text-to-speech Engine**: allows you to view Open Source Licenses.
   - **Install voice data**: allows you to install voice data for speech synthesis.
4. From the **Text-to speech output** screen, scroll down to configure the settings associated with this feature:
   - **Speech rate**: Set the speed at which the text is spoken.
   - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
   - **Driving mode**: incoming calls and new notifications are automatically ready out loud.
5. Tap the ON/OFF icon next to **Driving mode** to turn it on. Calls and notifications are automatically read out loud.

Security Settings

The Security settings let you configure the security level for your device.

- From the Home screen, tap ➔ **Settings** ➔ **Security**.

Encrypt Device

When enabled, this feature requires a numeric PIN or password to decrypt your phone each time you power it on or encrypt the data on your SD card each time it is connected:

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Encrypt device**. For more information, read the displayed help screen.
3. Tap **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

Tip: Make sure your battery is charged more than 80 percent.

Encryption may take an hour or more.

Device Administration

Activating this feature allows Google to administrate your phone in a way similar to IT security settings on a corporate PC. This would be beneficial in the case that your phone was lost or stolen. The phone could be "deactivated" or "restricted" (through administration) from a remote location.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Device administrators** to begin configuring this setting.
3. Select an administrator device and follow the prompts.

Make Passwords Visible

When enabled, password characters display briefly as you touch them while entering passwords.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Make passwords visible** to create a checkmark and enable or disable the display of password characters.

Unknown sources

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap Unknown sources. A check mark indicates activation.

Warning! Enabling this option causes your phone and personal data to be more vulnerable to attack by applications from unknown sources.

Credential Storage

This option allows certain applications to access secure certificates and other credentials. Certificates and credentials can be installed to the SD card and password protected.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Trusted credentials** to display only trusted CA certificates. A check mark displayed next to the feature indicates secure credentials.
3. Tap **Install from device storage** to install encrypted certificates from the USB Storage location.

4. Tap **Clear credentials** to clear the device (SD card or phone memory) of all certificate contents and reset the credentials password.

One-handed operation

The one-handed operation settings help you to use your phone keypads easily with only one hand.

1. From the Home screen, tap ➔ **Settings** ➔ **One-handed operation**.
2. The following options are available:
   - **Keypad & in-call buttons**: allows you to adjust the position of the dialing keypad and in-call buttons to the left or the right to make it easier to use with one hand.
   - **Samsung keyboard**: allows you to adjust the position of the Samsung keyboard to the left or the right to make it easier to use with one hand.
   - **Calculator**: allows you to adjust the position of the calculator keypad to the left or the right to make it easier to use with one hand.
   - **Unlock pattern**: allows you to adjust the scale of the unlock pattern for use with one hand.
   - **Learn about on-handed operation**: provides a tutorial about using the one-handed operation.

Language and Input Settings

This setting allows you to configure the language in which to display the menus. You can also set on-screen keyboard options.

- From the Home screen, tap ➔ **Settings** ➔ **Language and input**.

Language Settings

To set the language that the menus display:

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Select a language and region from the list.

Selecting a Default Input Method

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input** ➔ **Default**.
2. Select an input method.

   – or –

   Tap **Set up input methods** to alter/modify the available input methods.

Configuring Google Voice Typing

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap (next to the **Google voice typing** field).
3. Tap **Choose input language** to select a language.
4. Remove the checkmark from the **Automatic** field so you can select additional language.
5. Select the desired languages.
6. Tap **Block offensive words** to block recognition of known offensive words or language.
7. Tap **Download offline speech recognition** to enable speech recognition using locally stored files when not connected to the network.

Configuring Samsung Keyboard Settings

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap (next to the **Samsung keyboard** field).
3. Set any of these options:
   - **Portrait keypad types**: Allows you to choose a keypad configuration (Qwerty Keypad [default] or 3x4 keyboard).
   - **Input languages**: Sets the input language. Tap a language from the available list. The keyboard is updated to the selected language.
   - **Predictive text**: Enables predictive text entry mode. This must be enabled to gain access to the advanced settings. Touch and hold to access the advanced settings.
   - **Swiftkey flow**: Allows you to enter text by sliding your finger across the keyboard.
   - **Pen detection**: Enables the handwriting pad whenever the is detected on the screen.
   - **One-handed operation**: Sets the on-screen keyboard to reposition and resize for use by either a single left or right hand operation.
   - **Handwriting**: Allows you to configure the handwriting settings such as: Recognition type, Recognition time, Pen thickness, Pen color, Gesture guide, TUtorial, and About.
   - **Advanced**: Provides access to additional settings such as:
     - **Auto capitalization**: Automatically capitalizes the first letter of the first word in each sentence (standard English style).

– **Auto-punctuate**: Inserts a full stop in a sentence by tapping the space bar twice when using the on-screen QWERTY keyboard.

– **Character preview**: Provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.

– **Key-tap vibration**: Enables vibration feedback when you tap an on-screen key.

– **Key-tap sound**: Enables auditory feedback when you tap an on-screen key.

- **Tutorial**: launches a brief on-screen tutorial covering the main concepts related to the Samsung keyboard.
- **Reset settings**: resets the keyboard settings back to their original configuration.

Configuring Swype Settings

To configure swype settings:

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap (next to the **Swype** field).
3. Tap **How to Swype** to view an on-screen manual for Swype.
4. Tap **Preferences** to configure these settings:
   - **Vibrate on keypress**: activates a vibration sensation as you enter text using the keypad.
   - **Sound on keypress**: turns on sounds generated by the Swype application.
   - **Show helpful tips**: turns on a flashing indicator for quick help.
   - **Auto-spacing**: automatically inserts a space between words. When you finish a word, just lift your finger or stylus and start the next word.
   - **Auto-capitalization**: automatically capitalizes the first letter of a sentence.
   - **Show complete trace**: once enabled, sets wether or not to display the complete Swype path.
   - **Pop-up on keypress**: once enabled, displays a character above an on-screen key while typing.
   - **Next word prediction**: once enabled, predicts the next word in your text string based on your current text entries.

Note: Disable this feature if incorrect words are entered when you type.

- **Reset Swype's dictionary**: Resets the Swype dictionary back to the default Swype dictionary.
- **Version**: Displays the software version information.

5. Tap **Language Options** to activate and select the text input language. Default language is English.
6. Tap **Swype connect** to activate Social media personalization and configure data settings.
   - **Facebook**: allows you to log into your current Facebook account from where contact names are added to your Swpe's personal dictionary for later use when you enter names into text fields. Helps recognize familiar names.
   - **Twitter**: allows you to sing into your existing Twitter account from where names and words are added to your personal dictionary. Helps recognize familiar names and words.
   - **Gmail**: allows you to sign in to your existing Gmail account from where existing contact information is added to your personal dictionary. Helps recognize familiar names.
   - **Contribute data usage**: when enabled, allows the Nuance® application to collect usage data for better word predictions.
   - **Cellular data**: when enabled, activates cellular data usage by the Swype application so it can receive program updates, language downloads, and other related features via your existing data connection.
7. Tap **Personal dictionary** to access and manage your personal dictionary.
8. Tap **Updates** to update the application if new software is available.

Configuring the Mouse-TrackPad

This feature allows you to configure the pointer speed for the mouse/trackpad.

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input** ➔ **Pointer speed**.
2. Adjust the pointer speed slider and tap **OK**.

Cloud

This feature allows you to use your external cloud storage solution to both synchronize your device to your Samsung account and then backup that local content to the cloud.

Your device comes with a Cloud storage solution called Dropbox.

Important! This feature requires an active Wi-Fi connection prior to use.

3. From the Home screen, tap → **Settings** → **Cloud**.
4. Tap **Add account** then tap **Create new account** or **Sign in** to your existing account. For more information, refer to *"Creating a Samsung Account"* on page 11.
5. Tap **Sync settings**, select the device parameters to synchronize and tap **Sync now**. Choose from: **Sync Calendar**, **Sync Contacts**, **Sync Internet**, and **Sync S Note**.
6. Tap **Device backup** and restore and configure your Backup and restore option:
   - **Auto backup**: configures automatic data backup to your cloud storage location. Tap Auto backup and then touch and slide the slider to the right to turn it on ON.
   - **Backup options**: allows you to select what data is backed up from your device to the cloud. Choose from: Logs, Messages (SMS), Messages (MMS), and Wallpaper. Tap **OK** to complete the selection.
   - **Back up now**: manually loads up the currently selected categories and backs up the data to your cloud storage location. Tap **Back up** to begin the manual backup process
   - **Restore**: allows you to retrieve your previously backed up data from your Samsung account and then download it to your device.
7. Tap **Set account** to synchronize information with Dropbox, then tap **Allow**.
8. Tap each type of information to synchronize with Dropbox. Selections are:
   - **Wi-Fi only**: only synchronizes or downloads content when connect to a Wi-Fi network.

Back Up and Reset

Location settings, backup configurations, or reset the phone to erase all personal data.

- From the Home screen, tap → **Settings** → **Security** → **Back up and reset**.

Mobile Backup and Restore

The device can be configured to back up your current settings, application data and settings.

1. From the Home screen, tap ➔ **Settings** ➔ **Back up and reset**.
2. Tap **Back up my data** to create a backup of your current phone settings and applications.
3. Tap **Backup account** to assign the account being backed up.
4. Tap **Automatic restore** to assist in the re-installation of a previously installed application (including preferences and data).

Factory Data Reset

From this menu you can reset your device and sound settings to the factory default settings.

1. From the Home screen, tap ➔ **Settings** ➔ **Back up and reset** ➔ **Factory data reset**.
2. Read the on-screen reset information.
3. Tap **Reset device**.
4. If necessary, enter your password and tap **Delete all**.
   The device resets to the factory default settings automatically and when finished displays the Home screen.

Dropbox

1. From the Home screen, tap ➔ **Dropbox**.
2. Tap **Start**.
3. Tap **I'm already a Dropbox user** or tap **I'm new to Dropbox**.
   When you register for Dropbox the screen prompts to allow your Samsung device to access Dropbox.
4. Tap **Next**.
   Your Dropbox account email address displays.
5. Tap each type of information to synchronize with Dropbox. Selections are:
   - **Wi-Fi only**: only synchronizes or downloads content when connect to a Wi-Fi network.
   - **Wi-Fi or data plan**: synchronizes or downloads content when connected to either a Wi-Fi network or a data plan connection.
6. Tap **Turn on** to begin using Dropbox.

Accounts

This menu allows you to set up, manage, and synchronize accounts, including Google and email accounts.

Adding an Account

1. From the Home screen, tap ➔ **Settings** ➔ **Add account (accounts)**.
2. Select one of the account types.
3. Enter the required information at the prompts to set up an account or login to an existing account.
   A green circle displays next to the account type once the account is created. Your email also displays in the Accounts section of the main Settings menu.

Removing an Account

Note: Removing an account also deletes all of the account messages, contacts, and other data from the device.

1. From the Home screen, tap ➔ **Settings**.
2. Scroll to the **Accounts** area and tap an account name.
3. Tap the account name again, then tap **Remove account**.
4. Tap **Remove account** at the prompt to remove the account and delete all the messages, contacts, and other data associated with this account.

Motion Settings

This feature allows you to assign specific functions to certain phone actions that are detected by both the accelerometer and gyroscope.

Activating Motion

1. From the Home screen, tap ➔ **Settings** ➔ **Motion**.
2. Tap the ON/OFF slider, located to the right of Motion, to turn Motion ON .

Note: If Motion is not turned on, motion services display as grayed-out and disabled.

Activating Motion Functions

1. Tap **Motion** to activate the feature.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap → **Settings** → **Motion** → **Learn about motions**.

2. Tap the desired on-screen motion option:
   - **Quick glance**: displays device information when you reach for the device.
   - **Direct call**: dials the currently displayed Contact entry as soon as you put the device to your ear.
   - **Smart alert**: pick up the device to receive missed call notifications or messages.
   - **Double tap to top**: double tap the top of the device to display the top of the list or screen.
   - **Tilt to zoom**: using a screen where zoom applies, touch and hold two points of the display, then tilt the device back and forth to zoom in or out.
   - **Pan to move icon**: touch and hold an application shortcut icon or widget on the screen. When the application detaches, move the device left or right to move it to a new location.
   - **Pan to browse images**: touch and hold a displayed image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around displayed image.
   - **Shake to update**: shake the device to rescan for Bluetooth devices, rescan for Wi-Fi devices, refresh a Web page, and more.
   - **Turn over to mute/pause**: turn the device over, display down on a flat surface to mute incoming calls and any sounds that are playing.

Advanced Motion Settings and Tutorial

Advanced Motion settings allow you to check key information at a glance, calibrate motion using the gyroscope, and change the sensitivity settings.

1. From the Home screen, tap → **Settings** → **Motion** → **Advanced settings**.

2. Tap one of the following options:
   - **Quick glance**: allows you to set the features to display at a glance when a user reaches for the device. Choose from: **Missed call**, **New message**, **Battery**, **Current music**, or **Status bar**.
3. Tap **Learn about motions** to view tutorial type information.

Hand Motions

- From the Home screen, tap ➔ **Settings** ➔ **Motion**.

  In addition to normal motions, the device is capable of several Hand motions (gestures):

- **Palm swipe to capture**: When enabled, you can capture any on-screen information by swiping your hand across the screen. Turn your hand sideways and swipe across the screen from left to right. The image copies to the clipboard.
- **Palm touch to mute/pause**: cover the screen with your hand to pause an on-screen video or mute a sound. When you remove your hand from the screen, the devices returns to normal and continuous to play the video or sound.
- **Learn about hand motions**: displays tutorial type information about Palm swipe to capture, and Palm touch to mute/pause.

S Pen Settings

This menu allows you to customize settings for the S Pen.

1. From the Home screen, tap ➔ **Settings** ➔ **S Pen**.

   The following options are available:

   - **Dominant hand**: allows you to set your phone to Left handed or Right handed.
   - **Pen attach/detach sound**: allows you to select a sound to be played whenever the pen is attached or detached.
   - **Open Popup Note**: automatically opens Popup Note whenever the pen is detached.
   - **Battery saving**: disables the pen detection feature while the pen is attached to save battery power.
   - **S Pen keeper**: sounds an alert and displays a pop-up when you walk with the device without attaching the pen.
   - **Air view**: When the S pen tip is near the screen for a while, the S pen hovering feature will be provided. Touch and slide the slider to the right to turn it on

.

- **Sound and haptic feedback**: allows you to hear sound and sense haptic feedback when using your S Pen
- **Quick command settings**: allows you to create pen gestures to open selected apps or perform tasks.
- **S Pen help**: provides additional information about S Pen.

Accessory Settings

This menu allows you to assign external speakers when the device is docked.

1. From the Home screen, tap ➔ **Settings** ➔ **Accessory**.
2. Tap one of the following accessory settings:
   - **Dock sound**: plays sounds when inserting or removing the phone from the dock.
   - **Audio output mode**: uses the external dock speakers when the phone is docked.
   - **Desk home screen display**: Displays the desk home screen whenever the phone is docked.
   - **Audio output**: sets your Audio output to Stereo or Surround.

Date and Time

This menu allows you to change the current time and date displayed.

Tap Automatic data and time to allow the network set the date and time.

Important! Deactivate Automatic data and time to manually set the rest of the options.

1. From the Home screen, tap ➔ **Settings** ➔ **Date and time**.
2. Tap **Automatic data** and time to allow the network set the date and time.
3. Tap **Set date** and use the plus or minus icons to set the Month, Day, and Year then tap Set.
4. Tap **Set time** and use the plus or minus icons, set Hour, and Minute. Tap PM or AM, then tap **Set**.
5. Tap **Automatic time zone** to allow the network set the time zone information automatically.
6. Tap **Select time zone**, then tap a time zone.
7. Tap **Use 24-hour format**. If this is not selected the device automatically uses a 12-hour format.
8. Tap **Select date format** and select the date format type.

Accessibility Settings

This service lets you enable and disable downloaded accessibility applications that aid in navigating your Android device, such as TalkBack (uses synthesized speech to describe the results of actions), KickBack (provides haptic feedback for actions), and SoundBack (plays sounds for various actions). Also lets you enable use of the power key to end calls.

1. From the Home screen, tap ➔ **Settings** ➔ **Accessibility**.

Note: It may be necessary to download accessibility applications from the Google Play Store.

2. Tap one of or more of these options:
   - **Auto-rotate screen**: automatically rotates a screen.
   - **Screen timeout**: turns off the accessibility feature after a defined period of time.
   - **Speak passwords**: reads out password information.
   - **Answering/ending calls**: to select the Answering key to answer a call or the Power key to end a call.
   - **Accessibility shortcut**: if you want to press and hold the power key as a shortcut to accessibility.
   - **TalkBack**: your device speaks feedback information.

Important! TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

   - **Font Size**: to change the size of the fonts used on the device in menus, options, and more.
   - **Negative colors**: reverses the display which is normally white text on a black background, to black text on a white background.
   - **Text-to-speech output**: adjusts your text-to-speech settings.
   - **Enhance web accessibility**: allows applications to install scripts from google that make their Web content more accessible. Tap Allow.
   - **Sound balance**: use the slider to set the Left and Right balance when using a stereo device.
   - **Mono audio**: so stereo audio will compress into a single mono audio stream when using a single earbud or earphone.

- **Turn off all sounds**: mutes every sound made by the device during taps, selections, notifications, and more.
- **Tap and hold delay**: select a time interval for this action. Selections are: Short, Medium, or Long.

Developer Options

Use the Developer options to set options for application development.

Important! These features are used for development purposes only.

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. The following options are available:
   - **Desktop backup password**: Allows you to protect your desktop with a backup password ID.
   - **Stay awake**: with the Stay awake option enabled, your screen will never sleep while you are charging the device.
   - **Protect SD card**: Requires apps to ask your permission before accessing data on your SD card.
   - **USB debugging**: Allows debugging when the device is attached to a PC by a USB cable.
   - **Allow mock locations**: Used by developers when developing location-based applications.
   - **Select app to be debugged**: Allows developers to select a specific application to debug.
   - **Wait for debugger**: Specified apps must have debugger attached before executing.
   - **Show touches**: Displays touch interactions on the screen.
   - **Show pointer location**: Highlights the data that was touched on the screen.
   - **Show layout boundaries**: Displays clip bounds, margins, etc.
   - **Show GPU view updates**: Flashes views inside windows when drawn with GPU.
   - **Show screen updates**: Forces areas of the screen to flash as it is updated.
   - **Window animation scale**: Configure the scale for animation (ranges from off to 10x).
   - **Transition animation scale**: Configure the scale for transitioning when using animation (ranges from off to 10x).
   - **Animator duration scale**: Configure the scale for duration when using animation (ranges from off to 10x).

- **Disable hardware overlays**: Assigns the work of rendering to the GPU.
- **Force GPU rendering**: Uses a 2D acceleration in applications.
- **Strict mode**: Makes the screen flash when applications perform long operations on the main thread.
- **Show CPU usage**: The screen highlights the current CPU usage.
- **GPU rendering profile**: Uses a 2D acceleration in applications.
- **Enable traces**: Enables/disables on-screen tracing based on an available parameter.
- **Do not keep activities**: destroys every activity as soon as the application is closed.
- **Limit background processes**: sets the number of processes that can run in the background.
- **Show all ANRs**: displays a prompt when applications running in the background are not responding.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernel version, and software build number.

To access phone information:

1. From the Home screen, tap ➔ **Settings** ➔ **About device**. The following information displays:
   - **Software update**: allows you to connect to the network and upload any new phone software directly to your device. The device automatically updates with the latest available software when you access this option.
   - **Status**: displays the Battery status, the level of the battery (percentage), the Network connection, Signal Strength, Mobile network type, Service State, Roaming status, Mobile network state, My phone number, ERI version, IMEI number, IMEI SV, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.

Section 11: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/.
- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.

- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets

FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- **Head**: 0.41 W/Kg
- **Body**: 1.12 W/Kg

SAR information on this and other model phones can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System ("CMAS"; which may also be known as the Personal Localized Alerting Network ("PLAN")). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.

- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp .

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recyle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty”.

GPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Even with GPS, when you make an emergency call:

- Always tell the emergency responder your location to the best of your ability; and

- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. From the Home screen, tap . The dialer displays.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Tap the key.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device

may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.

- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336
Email: info@audiology.org

Internet:
http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:
http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH
(1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:
http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

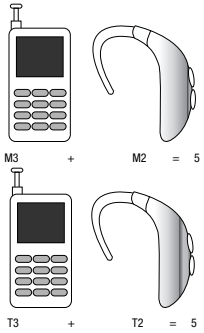
Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a

hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.

- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 12: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082
Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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Index

A

Abc mode 65
Accounts
adding a Google account 69
setting up 69
Activating
Bluetooth 161
Airplane mode 165, 170
Alarm 137
AllShare Cast 164
AllShare Play 130
Configuring Settings 131
Group Cast 133
Sharing Media 133
Web Storage Setup 132
Applications
Using the Camcorder 96
Using the Camera 91
World Clock 138

B

Back key 35
Battery
charging 9
Installing 8
Low Battery Indicator 10
Battery Use & Safety 205
Bluetooth
activating 161
Outgoing Headset Condition 61
Sending contacts 127
Books
Play Books 151

C

Calculator 134
Calendar 134
Call Functions 48
3-Way Calling (Multi-Party Calling) 57
Adjusting the Call Volume 55
Answering a Call 51
Call Back Missed Call 53
Call Duration 55
Contact List 51
Correcting the Number 49
Dialing a Recent Number 49
Ending a Call 49
International Call 48
Making a Call 48
Manual Pause Dialing 48
Options During a Call 55
Searching for a Number in Contact List 59
Using the Speakerphone 58
Viewing All Calls 53
Viewing Missed Calls 53
Camcorder 96
Camcorder Options 97
Shooting Video 96
Camcorder Options
Camcorder Options after a Video is Taken 99
Camera 91
Camera Options 92
Taking Pictures 91

Camercorder
Taking Pictures During Video 97
Care and Maintenance 211
Changing Your Settings 158
Charging battery 9
ChatON 111
Adding a Buddy 111
Register 111
Using 112
Children and Cell Phones 201
Clock 137, 175
Commercial Mobile Alerting System (CMAS) 204
Contacts
creating 70
creating from Call log 71
creating from the Keypad 71
exporting and importing 74
groups 75
joining 73
namecards 74
speed dials 77
starred contacts 75
updating 72
updating from Call log 72
updating from Keypad 72
Cookies
Emptying 117
Creating a Playlist 83

D

Dialing Options 52
Display
icons 25
Display / Touch-Screen 209
Do cell phones pose a health hazard? 197
Downloads 140

E

Email 107
Creating a Corporate Email Account 107
Creating Additional Email Accounts 108
Switching Between Email Accounts 108
Emergency Calls 210
Making 49
With SIM 50
Without SIM 49
Entering Text 64
Changing the Text Entry Mode 65
Using 123Sym Mode 66
Using Abc Mode 65
Using Swype 67
Using Symbol/Numeric Mode 66
Exposure to Radio Frequency (RF) Signals 197

F

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices 216
FCC Notice and Cautions 218
Featured Apps 143

G

Gallery 88
viewing pictures 88
viewing videos 89
Gestures
Browse Image 23
Overview 23
Screen Capture 24
Shake to Update 24
Tilt to Zoom 23

Getting Started 6
Setting Up Your Phone 6
Voice mail 13
Gmail 108
Google
managing an account 70
setting up an account 69
Google Maps 146
Google Play Music 84
Google Search 143
Google Voice Typing 67
Google+ 113
GPS 209
Group Cast 133
Groups
adding contacts 76
creating 76
sending a message 77

H

Health and Safety Information 197
Help 144
Home key 35
Home screen mode 177
Hotspot Guru 124
Hotspots 124

I

Icons
Application 28
Indicator 25
Icons, description 25
In-Call Options 55
Incognito 115
Create Window 116
Exit Window 116
Information Ticker 175
International Call 48
Internet 114

K

Keypad
Changing Text Input 65
Kies via Wi-Fi 166

L

Landscape 64
Latitude 144
Local 146
Lock Screen
Clock 175
Dual Clock 176
Ripple Effect 176
Shortcuts 175
Ticker 175
Weather 176

M

Maps 146
Media Hub 31, 79
Memory Card 46
Memory Card Installation 8
Menu
key 34
Menu Navigation 34
Message
Reply 112
Message Options 101
Message Search 104
Messaging
Creating and Sending Text Messages 100
Deleting a message 104
Gmail 108
Options 101
Settings 105

Signing into Email 107
Signing into Gmail 108
Types of Messages 100
microSD card 8, 46
Installing 8
Removing 9
microSDHC card 8, 46
Mobile Web 114
Entering Text in the Mobile Web Browser 115
Using Bookmarks 116
Movies 88
Multimedia 79
Music
Playlists 83
Music File Extensions
3GP 81
AAC 81
AAC+ 81
eAAC+ 81
M4A 81
MP3 81
MP4 81
WMA 81
Music Hub 148
Music Player 81
adding music 83
creating a playlist 83
removing music 84
Mute 56, 58
My Files 149

N

Namecards
sending 74
Navigation 149
command keys 34
context-sensitive menus 35
terms used 35
touch gestures 35
Navigation Options 150
NFC 129
On 89

O

One-handed operation 184
Operating Environment 214
Other Important Safety Information 218

P

PC Connections 127
Personal Localized Alerting Network (PLAN) 204
Phone
Front View 15
icons 25
Rear View 17
Side View 16
Switching On/Off 11
Pictures 88
Gallery 88
Sharing 89
Places 151
Play Books 151
Play Movies 88
Play Music 84
Play Store 152
Polaris® Office 33
Pop-up video
using 86
Portable Wi-Fi hotspot 167

Powering
Off 11
On 11

Q

QWERTY keypad 64

R

Reducing Exposure
Hands-Free Kits and Other Accessories 200
Reject list 55
Responsible Listening 212
Restricting Children's Access to Your Mobile device 217
Ripple 176
Ripple Effect
Lock Screen 176

S

S Beam
On 89
Sharing Multiple Pictures 90
Sharing Pictures 89
S Memo
Creating a New Memo 153
S Suggest 153
S Voice 154
Samsung Mobile Products and Recycling 207
Screen Capture 24, 134
SD Card 46
Search
voice search 156
Settings 158
Shortcuts 25
SIM card
installation 7
Installing 7
Smart Practices While Driving 204
Snooze 138
Speakerphone Key 58
Specific Absorption Rate (SAR) Certification Information 202
Speed Dials
assigning 77
removing or reassigning 78
Standard Limited Warranty 220
Stopwatch 139
SugarSync
Setup 132
Swap 56
SWYPE
entering text using 67
Swype Settings 68
Symbol/Numeric mode 66

T

Tethering 166
Text Input
Abc mode 65
Methods 64
numeric mode 66
symbol mode 66
Timer 139
Automatic Answering 61
Touch key light duration 177
Touch Screen 11
Lock/Unlock 11
Transferring Large Files 89
Travel Charger 9
Using 10
TTY Mode 62

U

UL Certified Travel Charger 208
Understanding Your Phone 14
  Features of Your Phone 14
  Front View 15
  Rear View 17
  Side Views 16
Unmute 56
USB settings
  mass storage device 128
USB Tethering 166
Using Favorites
  Adding Favorites 117
  Deleting a Favorite 117
  Editing Favorites 117

V

Video
  pop-up video 86
Video Player 85
Voice Mail
  Accessing 13
  From Another Phone 13
  Setup 13
Voice Recorder 155
Voice search 156
VPN
  settings 169

W

Warranty Information 220
Weather
  Setting 176
Web 114
Widgets
  Calculator 29
  Camera 29
  Email 30
  Gmail 30, 143
  Settings 33, 154
  Video Player 33
  Voice Recorder 33, 155
  YouTube 34
Wi-Fi 120
  checking for internet service 159
  on during sleep 159
  pairing using WPS 160
  pairing using WPS PIN 160
  using Kies via Wi-Fi 164
  viewing address information 159
Wi-Fi Direct 123, 160
World Clock
  Deleting an Entry 139
World clock 138
WPS PIN entry 160
WPS push button 160

Y

YouTube 156